Regional Settings Guide rev1.0

These instructions are used for both the Open xL and Monitor xL versions of xL Security Equipment. A red dot on xL equipment and its packing material will identify it as the Open xL version.

Guardall

A UTC Fire & Security Company

Contents

WARNING: Access Control, Suite Security and Elevator selections are only available with the addition of the "Feature Expansion Board" to the system.

NOTE: Regional Settings firmware v4.53 or greater is only available with xL Systems. Monitor ISM and Monitor AFx are not supported.

Programming selections whose boxes are grey are not available for this version.

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Document Revision History

Refer to the Table of Contents or Index to locate the following updates or perform a Search for key words:

Rev1.0 Additions/Deletions

- First publication.

► These instructions are used for both the Open xL and Monitor xL versions of xL Security Equipment.
► A red dot on xL equipment and its packing material will identify it as the Open xL version.
► Model numbers ending with a "T" will identify the Open xL equipment versions.
► Open xL and Monitor xL versions of xL Security Equipment can not be used together.
► VBUS devices can be used with both Open xL and Monitor xL versions of xL Security Equipment. VBUS devices are not used with ISM equipment.
► Only Monitor xL Security Equipment can be used to upgrade a Monitor ISM security system. The Open xL version is not used with Monitor ISM equipment.
► Only Monitor xL Director Software can be used to upgrade Director Software that communicates with a Monitor ISM security system. The Open xL Director Software is not used with Monitor ISM equipment.
► Open xL, Monitor xL and ISM systems can communicate to the same HSC-IP Receiver. However, the Open xL system will require an Open xL HSC-IP Module to communicate with the HSC-IP Receiver.
► A regular IP Module (non HSC-IP) can be used by an Open xL, Monitor xL or ISM system if they are only communicating to the Monitor xL or Open xL Director Software.
► Only Monitor xL Director Software can be used with a Monitor xL Security System.
► Only Open xL Director Software can be used with an Open xL Security System.
► Confirm that the correct firmware is used when upgrading a security system's firmware. Upgrading an Open xL security system firmware with Monitor xL firmware can disrupt operations on a system wide scale. An Open xL system must be upgraded with Open xL firmware. The same applies to only using Monitor xL firmware to upgrade a Monitor xL system.

Understanding How to Program the System Using the LCD Keypad

LCD Keypad:
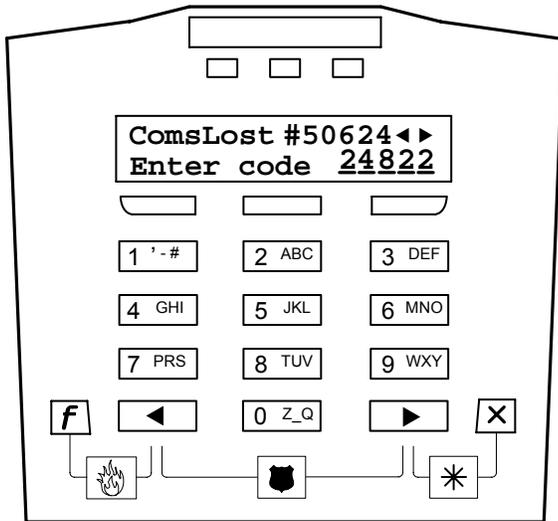
- When the system is first powered, the LCD keypad will display that its communications are lost (ComsLost). The number to the right of this comment is the keypad's unique serial address.

NOTE: An LCD keypad is the only module that will always display its address when it is first powered. This is the address number that is programmed into the system for it to identify any module. Any module will have its unique address written on a sticker on its circuit board.

- To the right of the keypad's serial number are left and right arrows. These represent the left and right arrow keys lower down on the keypad. These arrow keys are used to browse through menus. If the arrow keys are pressed in this screen, the type of keypad e.g. G-ProxII, the available voltage e.g. 13.135V and the panel firmware version e.g. V1.3 will display.

- The next line of information will ask that the default log on Code: "**24822**" is entered to log on to the system.

- After this number has been entered, the screens will start rotating with different messages. One will state "Prog-Lost!" for program lost because the system presently has no program. Another serial number will appear next to that comment e.g. "07132". This is the serial number of the main control board. If this number is not marked on the board, mark it down to be used later.

- Another screen that will appear will be the non-current date and time which can be reset to be current later. The bottom LCD line will request that a 3 digit ID be entered. Enter the default ID for a

service technician: "**000**". "Service, Enter PIN:" will appear. Enter the default service user's pin: "**2482**"

- The next screen will say: "Configure?" and give a selection for the mode in which you want to configure the system. The first selection is "Locally" meaning the system can be configured using the keypad only. Use the left-right arrow keys to toggle between "Remote" for configuring the system with a connection to the Director Configuration Software.

- Press the keypad button below "Ok" when the selection has been made.

```
Configure?
◄ Locally ►      ↓Ok
```

Configure Locally

- If the configure locally selection is made, the next screen will ask to "Select region" for the style of system configurations that are required for different places in the world. Use the left-right arrow keys to browse through them. The selections are: N (North) America, European, U.K., Aus/NZ (Australia, New Zealand), China/H.K (Hong Kong), Netherlands, Switzerland, France.

Selecting North American Example

- If North America is selected, the screen will ask the number of users that will be operating the system. Use the left and right arrow keys to browse through the selections of 20, 100, 300 or 1000 Users or for the closest number of users in the system and press Ok.

Example: 1000 Users

- The next screen asks "Save Settings?". Select Yes with the arrow keys and press Ok.

- The screen will display: "Please Wait…." After a few moments, the screen will go momentarily blank. It will then display ComsLost again. Enter the code **24822** again.

- The screen will display: "!! In Alarm !!", "Enter ID:". This means that there are alarm conditions in the system that need to be checked. Enter the ID e.g. Service ID: "000" and the Service PIN: "2482".

- "Silence System ?" will appear on the first line. On the second line will be "↓Yes ↓No View↓". The arrows point down towards the 3 buttons in a row below the LCD screen. 1 button for each arrow. This is a common operation through out the system that arrows on the screen will point to their keypad buttons from operation to operation to perform a procedure. In this case, press the button below "Yes" to Silence the System, "No" not to silence or "View" to look at reasons for the Alarm condition.

- If Yes or No were selected, "Push for Menus" will appear with the option to set the system to Stay

(remain on the premises with only the perimeter protection on) or On (all protection turned on) pressing the keypad button below them. Press the right arrow key to browse through the Menu Options. Selections such as Status (condition of system), Bypass (disable a protection point), History (alarm etc. history), My PIN (change your PIN number), Users (edit system users), Test (test the system), Config (edit the system's program), Time (adjust the LCD keypad's Time and Date), Verify (transmit an Okay signal if a false alarm occurred), Arm/Disarm (set protection Off, Stay or On). Select "Config" and press Ok.

- **NOTE:** Default MASTER (end) USER code is ID 01 or 001, PIN 7793. Default Service User ID 00 or 000, PIN 2482.

- "Config method" will appear. Using the arrows, toggle between "Simplified" or "Advanced" for the process to set up the system as required. If Simplified is chosen, ordinary language menus will appear to browse through and make selections to make a basic system from. If Advanced is chosen, special menus will appear to customize the system into several unique forms of security requirements.

Logging On to a New UK ACPO System

- After the "CommsLost" keypad screen and 24822 has been entered, the screen will display that the system is in alarm and needs to be re-set.
- Enter the UK service user code: **000** and PIN: **1630**.
- A user code and PIN for a second user will be requested. Enter the Master User default code: **001** and PIN: **7793**.
- The next screen will request the date and time to be entered.
- The next screen will display that the system is in alarm and enter ID to restore it.
- The Master User codes can be entered however, if a service user enters 000, the next screen will request a Pin of the Day to log on. (Refer to the "European and ACPO Installations" section of this manual for "PIN of the Day" instructions.) After the PIN of the Day is entered, a secondary user code will be requested. The Master user codes can be used again.

UK ACPO Pin of the Day

- The service user will call the Pin of the Day program operator who can enter default "24822" as the new system's default Dealer ID until a unique one can be entered at the keypad or downloaded from the Director Software later.
- The service user enters random, 6 digit Pin of the Day number given to them by the operator at the keypad and can then access the system menus and configurations.

Remote Connection

- If a Remote connection is selected, the next screen will display a left or right arrow selection for IP or the version of modem board plugged into the main control module (e.g. World Wide Modem or IP discussed later). **IMPORTANT:** When one of the modems is used, it must be plugged into the main control module before remote connection screens can be viewed. Press the button below Ok.

- The next screen will ask to "Select country" for the style of system configurations that are required for different places in the world. Use the left-right arrow keys to toggle through them. The selections are: N (North) America, European, U.K., Aus/NZ (Australia, New Zealand) and China/H.K. (Hong Kong), Netherlands, Switzerland, France. Press the button below Ok.

- The next screen will display an entry for a 6 digit unique ID to identify this particular system.

- Press the button below "Save" when the selection has been made.

```
000000
↓Save (unique id)
```
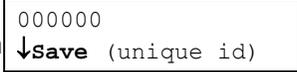
- The next screen will display an entry for a 6 digit third party password. This is a special security number that prevents unauthorized connection to this main control module.

- Press the button below "Save" when the selection has been made.

```
000000
↓Save (3rdPtPass)
```

- Next enter the phone number to contact and get a system program, configuration download from the Director Software computer.

> The phone number can be preceded with **P** =pulse dialing (default), or **T** =Tone dialing, and can include **D** =2 sec Delay, **A** =Star key (tone dialing), **#** = Pound Sign (tone dialing), and/or **W** = Wait for second dial tone. For **T**one dialing, ensure the phone line supports this. As the phone number is entered, the cursor will automatically move to the next character entry position. Use the left and right arrow keys to move the cursor back and forth in the entry. Place the cursor under a character where a blank is desired. Press the "_" selection on the " **0** Z_Q " keypad key to replace the character with a blank space.

- Press the button below "Save" when the selection has been made.

```
↓Save (cfg tel #)
```

- When Save is pressed, the main control module will attempt to dial the config PC.

```
Download Config
Please wait......
```

```
Download Config
Dialing......
```
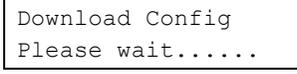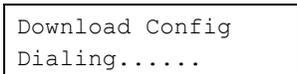
While the main control module is trying to get its download, an asterisk: "✳" will appear between the hour and the minute display on the time and date main screen.

Manually calling the Director PC from the LCD Keypad:

- This operation is for systems that can communicate with the Director software.
- If the system configurations have been changed example: by the customer to add a new user, it will be necessary to update the Director configurations for the system.

1) The system Unique ID and 3rd Party Password have to be programmed in the system if they were not previously. Refer to "Entering and Understanding Advanced Configurations" in this guide and Advanced Configurations using the keypad. To enable this feature, "Config Dial Out" is set to "1" in Advanced program section S005:10.

2) Log on to the keypad as a system or service user.

3) Push the right arrow key for Menus.

4) Use the left and right arrow keys to browse the menu until "Director" displays. Press Ok.

```
Menu Options
◄ Director ►    ↓Ok
```
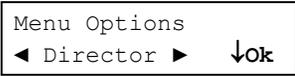
5) "Director Options", "Update Config" will display. Press Ok.

```
Director Options
◄ Update Cfg ► ↓Ok
```
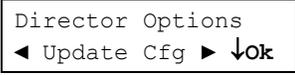
6) "Updating Config, Please Wait" will appear and then change to "Connecting".

```
Updating Config
Please wait......
```

```
Download Config
Connecting......
```
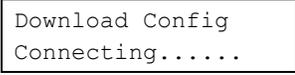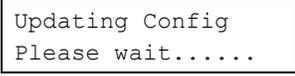
7) When the system is communicating with Director, "In Progress" will appear with a rotating bar next to it.

```
Download Config
In Progress.... ▬
```
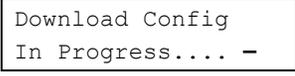
8) An asterisk: "✳" will appear between the hour and the minute display on the time and date main screen until the communication is complete.

NOTE: This feature is not supported with an external modem.

Special Regional Settings Keypad Operations

For all xL Security System keypad operations, refer to the "xL LCD Keypad User's Guide"

North America

- Split Logs When the History menu is accessed on the keypad, the selections "All", "Intrusion" and "Category\Area\Area condition: On, Off, Stay\Area History" are available.

European

- If the system is not ready to arm when logging on to the keypad, the message: "check system" will appear on the keypad screen. Protection points may be insecure or an equipment trouble condition could be present.
- Some trouble conditions can have an override placed on them so the system ignores them while some trouble conditions can not have an override. An end user can place an override on some trouble conditions while they will not be allowed to put an override on others. All trouble conditions allowed to have an override can have an override placed on them by a service user however an end user must enter their user codes at the same time.
- Dual Custody A service user entering their user codes must also have an end user enter their user codes for the service user to be able to service the system or access system programming through the keypad.
- Alarm/Trouble Condition Acknowledge When an alarm or trouble condition has occurred, after entering a user code, the condition must be acknowledged.
  - The alarm condition will continue to appear in the normal rotating keypad screens and ask to be acknowledged each time the keypad is logged on to.
  - In order to clear this condition, a service user must open the control box to activate its tamper switch and enter their codes along with the end user's codes at the keypad.
- Split Logs When the History menu is accessed on the keypad, the selections "All", "Intrusion" and "Category\Area\Area condition: On, Off, Stay\Area History" are available.

UK ACPO

- Dual Custody
  - A service user entering their user code must also enter a Pin of the Day which they obtain from a designated Pin of the Day operator. Refer to the "Logging On to a New UK ACPO System" and "UK ACPO Pin of the Day" sections in this manual.
  - A service user entering their user codes must also have an end user enter their user codes for the service user to be able to service the system or access system programming through the keypad. Refer to the "Logging On to a New UK ACPO System" and "UK ACPO Pin of the Day" sections in this manual.
- Alarm/Trouble Condition Acknowledge When an alarm or trouble condition has occurred, after entering a user code, the condition must be acknowledged. When it is, the condition will reset.
- Split Logs When the History menu is accessed on the keypad, the selections "All", "Intrusion" and "Category\Area\Area condition: On, Off, Stay\Area History" are available.

Aus/NZ (Australia/New Zealand)

- Dual Custody Not Used.
- Split Logs When the History menu is accessed on the keypad, the selections "All", "Intrusion" and "Category\Area\Area condition: On, Off, Stay\Area History" are available.

China/HK (China/Hong Kong) CCC (China Compulsory Certification)

- Dual Custody A service user entering their user codes must also have an end user enter their user codes for the service user to be able to service the system or access system programming through the keypad.
- Alarm/Trouble Condition Acknowledge When an alarm or trouble condition has occurred, all protection inputs/trouble conditions will appear on the keypad screen by reviewing them using the keypad left/right arrows. When the last condtion has appeared, the keypad will ask for an acknowledgement by pressing the keypad key below "Ack".
  - The trouble condition will continue to appear in the normal rotating keypad screens as "Was in Tamper!".
  - In order to clear this condition, a service user must open the control box to activate its tamper switch and enter their codes along with the end user's codes at the keypad.
- Split Logs When the History menu is accessed on the keypad, the selections "All", "Intrusion" and "Category\Area\Area condition: On, Off, Stay\Area History" are available.
- Turning Protection On can not be done when the system's AC Mains power is off or a tamper condtion exists. Only a service user has the authority to place an override on an "AC Mains power is off" or tamper condition.

- Entry/Exit Delay The system timer delay tables for a China/HK regional setting replaces 45 seconds with 40 seconds and 90 seconds with 100 seconds for "CCC" requirements.

Netherlands

- Dual Custody A service user entering their user codes must also have an end user enter their user codes for the service user to be able to service the system or access system programming through the keypad.
- Input Trouble Condition Acknowledge When protection inputs have had a trouble condition, example: have had an end of line resistor failure, the condition must be acknowledged.
  - The trouble condition will continue to appear in the normal rotating keypad screens.
  - In order to clear this condition, a service user must open the control box to activate its tamper switch and enter their codes along with the end user's codes at the keypad.
- Equipment Failure or Tamper Condition Acknowledge When a tamper or equipment failure condition has occurred, a service user must enter their code along with the end user to acknowledge the condition. The keypad will continue to display a trouble condition until this is done. Turning protection on will not be allowed if there is an unrestored tamper or equipment failure condition.
- Split Logs When the History menu is accessed on the keypad, the selections "All", "Intrusion" and "Category\Area\Area condition: On, Off, Stay\Area History" are available.

Switzerland

- Dual Custody A service user entering their user codes must also have an end user enter their user codes for the service user to be able to service the system or access system programming through the keypad.
- Equipment Failure or Tamper Condition Acknowledge When a tamper or equipment failure condition has occurred, a service user must enter their code along with the end user to acknowledge the condition. The keypad will continue to display a trouble condition until this is done. Turning protection on will not be allowed if there is an unrestored tamper or equipment failure condition.
- Split Logs When the History menu is accessed on the keypad, the selections "All", "Intrusion" and "Category\Area\Area condition: On, Off, Stay\Area History" are available.
- Keypad Lights The red protection status light and the yellow system trouble light are disabled for the Switzerland version. Only the green keypad light for power on is enabled.

France

- Dual Custody A service user entering their user codes must also have an end user enter their user codes for the service user to be able to service the system or access system programming through the keypad.
- Split Logs When the History menu is accessed on the keypad, the selections "All", "Intrusion" and "Category\Area\Area condition: On, Off, Stay\Area History" are available.

Entering and Understanding Simplified Configurations

- Logon to the system as a service user. Default ID: "00 or 000", service user PIN: "2482".
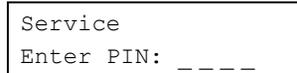
- When the control box tamper is activated, a service user has the authority to access system programming.

LCD Screen

```
Service
Enter PIN: _ _ _ _
```

- Using the left and right arrow screen scrolling keys on the keypad

```
Menu Options
◄ Config    ►    ↓Ok
```

scroll the menus until `Config` is displayed. Press Ok.

- "Config method" will display. Select "Simplified" and press Ok. "Configure group?" will display e.g. "Points". Press Ok. "Choose Point by" will display and using the arrow keys, either "Scrolling" the selection or "Direct Entry" (entering the exact point number) will display.

- When the point has been selected and Ok pressed, the current name for the point number will display. The option between Editing or Deleting the point will also display using the arrow keys.

- If Edit is selected, a cursor will flash under the first letter of the point's name. Pressing any Alpha/Numeric key on the keypad will change the letter to the characters on that key. Use the left and right arrow keys to scroll back and forth through the letters/numbers of the name. To create a blank with the cursor under the selected character, press the "0" key until a blank space appears. When ever a satisfactory setting has been made, always press the ↓Save button to retain it in memory.

- When Save is pressed, the next selection for the Point will be the type it is. Scroll through the selections to obtain the one required. Press Save. The next selection will be the Point's circuit type. Scroll through the selections to obtain the one required. Press Save. The next selection will be what Area the point will be assigned to. Scroll through the selections to obtain the one required. Press Save.

- Points after the defaulted settings will be "Undefined" and can be selected and edited to be enabled.

- These procedures for programming each of the simplified program sections will be similar.

Simplified Configurations

Simplified Programming System Global Timer Delay Table						
0 seconds	5 seconds	30 seconds	60 seconds	2 minutes	15 minutes	60 minutes
1 seconds	10 seconds	(45 seconds	(90 seconds	3 minutes	20 minutes	90 minutes
2 seconds	15 seconds	China/HK =	China/HK =	5 minutes	30 minutes	2 hour
3 seconds	20 seconds	40 seconds)	100 seconds)	10 minutes	45 minutes	

System

Siren Time		Main Screen Greeting		PIN Duress		5 Digit PIN	
Selections: Delay Table		**Selections:** Type entry		**Selections:** Yes/No		**Selections:** Yes/No	
Regional Setting Default:		**Regional Setting Default:**		**Regional Setting Default:**		**Regional Setting Default:**	
N America	5 minutes	N America	WELCOME	N America	Yes	N America	No
European	20 minutes	European	WELCOME	European	No	European	No
U.K. ACPO	15 minutes	U.K. ACPO	CHUBB SECURITY	U.K. ACPO	No	U.K. ACPO	No
Aus/NZ	5 minutes	Aus/NZ	CHUBB SECURITY	Aus/NZ	Yes	Aus/NZ	No
China/H.K.	2 hour	China/H.K.	WELCOME	China/H.K.	Yes	China/H.K.	No
Netherlands	20 minutes	Netherlands	WELCOME	Netherlands	No	Netherlands	No
Switzerland	20 minutes	Switzerland	WELCOME	Switzerland	No	Switzerland	No
France	20 minutes	France	WELCOME	France	No	France	No

Enable Wall Tamper		Battery Size		Confirm Alarm Tamper		Audible Ringback	
Selections: Yes/No Enable main control unit back tamper button.		**Selections:** 07.0 = 7 Amp hr battery. 07.5 = 7.5 Amp hr 17.0 = 17 Amp hr		**Selections:** U.K. ACPO only		**Selections:** Yes/No	
Regional Setting Default:		**Regional Setting Default:**		**Regional Setting Default:**		**Regional Setting Default:**	
N America	No	N America	07.0			N America	No **UL Listed Systems:** Select "Yes"
European	Yes	European	07.0			European	No
U.K. ACPO	Yes	U.K. ACPO	17.0	U.K. ACPO	30 minutes	U.K. ACPO	No
Aus/NZ	Yes	Aus/NZ	07.0			Aus/NZ	No
China/H.K.	Yes	China/H.K.	07.0			China/H.K.	No
Netherlands	Yes	Netherlands	07.0			Netherlands	No
Switzerland	Yes	Switzerland	07.0			Switzerland	No
France	Yes	France	07.0			France	No

Fast Restore		Point Reset Time		Delay Screen	
Selections: Yes/No		**Selections:** Delay Table		**Selections:** Yes/No	
Regional Setting Default:		**Regional Setting Default:**		**Regional Setting Default:**	
N America	No	N America	60 seconds	N America	No
European	Yes	European	5 seconds	European	No
U.K. ACPO	Yes	U.K. ACPO	2 seconds	U.K. ACPO	No
Aus/NZ	Yes	Aus/NZ	2 seconds	Aus/NZ	No
China/H.K.	Yes	China/H.K.	60 seconds	China/H.K.	No
Netherlands	Yes	Netherlands	5 seconds	Netherlands	No
Switzerland	Yes	Switzerland	5 seconds	Switzerland	No
France	Yes	France	5 seconds	France	No

Communications

Telco Modem Type		Enable Line Fail		Line Fail Polarity		Report Account #	
Selections: Bell 103, 8OPSTU (REDCARE), WW Modem, WW 8OPSTU, None.		**Selections:** WW 8OPSTU or 8OP STU must be plugged in.		**Selections:** Positive/Negative WW 8OPSTU or 8OP STU must be plugged in.		**Selections:** 000000	
Regional Setting Default:		**Regional Setting Default:**		**Regional Setting Default:**		**Regional Setting Default:**	
N America	Bell 103	N America	No	N America	Positive	N America	00000 for All
European	WW Modem	European	Not Used	European	Not Used	European	
U.K. ACPO	WW 8OPSTU	U.K. ACPO	Not Used	U.K. ACPO	Not Used	U.K. ACPO	
Aus/NZ	WW 8OPSTU	Aus/NZ	Not Used	Aus/NZ	Not Used	Aus/NZ	
China/H.K.	WW Modem	China/H.K.	Not Used	China/H.K.	Not Used	China/H.K.	
Netherlands	WW Modem	Netherlands	Not Used	Netherlands	Not Used	Netherlands	
Switzerland	WW Modem	Switzerland	Not Used	Switzerland	Not Used	Switzerland	
France	WW Modem	France	Not Used	France	Not Used	France	

Telco Report Mode		No Blind Dialing		Telco Format		Comms Test Delay	
Selections: Not used, Primary, Backup, Dual Dialer.		**Selections:** Yes/No Dials regardless of detecting a dial tone.		**Selections:** SIA (Level 2), CID.		**Selections:** Delay Table	
Regional Setting Default:		**Regional Setting Default:**		**Regional Setting Default:**		**Regional Setting Default:**	
N America	Not Used	N America	Yes	N America	SIA	N America	0 seconds
European	Not Used	European	Yes	European	SIA	European	0 seconds
U.K. ACPO	Not Used	U.K. ACPO	Yes	U.K. ACPO	SIA	U.K. ACPO	0 seconds
Aus/NZ	Not Used	Aus/NZ	Yes	Aus/NZ	SIA	Aus/NZ	0 seconds
China/H.K.	Not Used	China/H.K.	Yes	China/H.K.	SIA	China/H.K.	0 seconds
Netherlands	Not Used	Netherlands	Yes	Netherlands	SIA	Netherlands	0 seconds
Switzerland	Not Used	Switzerland	Yes	Switzerland	SIA	Switzerland	0 seconds
France	Not Used	France	Yes	France	SIA	France	0 seconds

Primary Telephone Number		Backup Telephone Number	
Selections: blank 16 characters		**Selections:** blank 16 characters	
Regional Setting Default:		**Regional Setting Default:**	
N America		N America	
European		European	
U.K. ACPO		U.K. ACPO	
Aus/NZ		Aus/NZ	
China/H.K.		China/H.K.	
Netherlands		Netherlands	
Switzerland		Switzerland	
France		France	

A phone number can be preceded with **P** =pulse dialing (default), or **T** =Tone dialing, and can include **D** =2 sec Delay, **A** =Star key (tone dialing)**, #** = Pound Sign (tone dialing), and/or **W** = Wait for second dial tone. For **T**one dialing, ensure the phone line supports this.

Number of Rings to Answer		Defeat Answering Machine		Config Call Back	
Selections:		**Selections:** Yes/No		**Selections:** Yes/No	
Regional Setting Default:		**Regional Setting Default:**		**Regional Setting Default:**	
N America	08	N America	Yes	N America	No
European	04	European	Yes	European	No
U.K. ACPO	02	U.K. ACPO	Yes	U.K. ACPO	No
Aus/NZ	14	Aus/NZ	Yes	Aus/NZ	No
China/H.K.	04	China/H.K.	Yes	China/H.K.	No
Netherlands	04	Netherlands	Yes	Netherlands	No
Switzerland	04	Switzerland	Yes	Switzerland	No
France	04	France	Yes	France	No

Areas ◄ A02 – A16 ► undefined

A01 Defaults Press ↓ok to ◄Edit►

Area Name		Area Entry Delay		Area Exit Delay		Exit Delay Mode	
Selections:		**Selections:** Delay Table		**Selections:** Delay Table		**Selections:** Normal Warning Tone Short, Warning Tone Long, Warn & Block (Warning Tone & Block Arming).	
Regional Setting Default:		**Regional Setting Default:**		**Regional Setting Default:**		**Regional Setting Default:**	
N America	OFFICE	N America	45 seconds	N America	60 seconds	N America	Normal
European	AREA DESCRIP	European	30 seconds	European	45 seconds	European	Warn & Block
U.K. ACPO	AREA DESCRIP	U.K. ACPO	30 seconds	U.K. ACPO	60 seconds	U.K. ACPO	Warn & Block
Aus/NZ	OFFICE	Aus/NZ	45 seconds	Aus/NZ	60 seconds	Aus/NZ	Normal
China/H.K.	AREA DESCRIP	China/H.K.	30 seconds	China/H.K.	40 seconds	China/H.K.	Warn & Block
Netherlands	AREA DESCRIP	Netherlands	30 seconds	Netherlands	45 seconds	Netherlands	Warn & Block
Switzerland	AREA DESCRIP	Switzerland	30 seconds	Switzerland	45 seconds	Switzerland	Warn & Block
France	AREA DESCRIP	France	30 seconds	France	45 seconds	France	Warn & Block

Fail to Exit Mode		STAY on Fail to Exit		Alarm on Fail to Exit		Exit Delay on Fail to Exit	
Selections: Door Close, Push Button, Door or Push, None		**Selections:** Yes/No		**Selections:** Yes/No		**Selections:** Yes/No	
Regional Setting Default:		**Regional Setting Default:**		**Regional Setting Default:**		**Regional Setting Default:**	
N America	Door Close	N America	No	N America	No	N America	No
European	Door or Push	European	No	European	Yes	European	No
U.K. ACPO	Push Button	U.K. ACPO	No	U.K. ACPO	Yes	U.K. ACPO	Yes
Aus/NZ	None	Aus/NZ	No	Aus/NZ	No	Aus/NZ	No
China/H.K.	Door or Push	China/H.K.	No	China/H.K.	Yes	China/H.K.	No
Netherlands	Door or Push	Netherlands	No	Netherlands	Yes	Netherlands	No
Switzerland	Door or Push	Switzerland	No	Switzerland	Yes	Switzerland	No
France	Door or Push	France	No	France	Yes	France	No

Area Report Mode		Bell Squawk	
Selections: Full, Emergency		**Selections:** None, On Arming, Fail to Arm, Both.	
Regional Setting Default:		**Regional Setting Default:**	
N America	Emergency	N America	None
European	Emergency	European	Fail to Arm
U.K. ACPO	Emergency	U.K. ACPO	Fail to Arm
Aus/NZ	Full	Aus/NZ	None
China/H.K.	Emergency	China/H.K.	Fail to Arm
Netherlands	Emergency	Netherlands	Fail to Arm
Switzerland	Emergency	Switzerland	Fail to Arm
France	Emergency	France	Fail to Arm

Modules ◄ M01 – M24 ►

M01 Defaults, M02 – M24 undefined.

Module Serial (Address) #		Module Type	
Selections: 00000 Enter the 5 digit number from the sticker on the module's circuit board. **NOTE:** When "↓Ok" is pressed after entering the Serial #, you may be transferred out of programming. Return to Module Programming to continue programming the module.		**Selections:** Use the left and right arrow keys to browse the module names. I/O = input / output Keypad: LCDV2, LCD Plus, LCD-GProx, LCD-ExtRd (external reader), Wireless: WLS, FA400, EE4000, HSC Power: IPSU 1.1AMP Vigil Other Access: Regular V2, Regular V1, TDC, PDC, C2000, IPlus, 2050MIL250, 2050DC, I/O: Regular, E-I/O, IPMUX, 2050IO16, 2050I32, 2050O32 Elevator Suite Security: Suite 8 zone, Suite 2 zone	
Regional Setting Default:		**Regional Setting Default:**	
N America	00000 for All	N America	LCD-GProx
European		European	LCD-GProx
U.K. ACPO		U.K. ACPO	LCD-GProx
Aus/NZ		Aus/NZ	LCD-GProx
China/H.K.		China/H.K.	LCD-GProx
Netherlands		Netherlands	LCD-GProx
Switzerland		Switzerland	LCD-GProx
France		France	LCD-GProx

Number of Inputs		Number of Outputs		Module in Area?		Tamper Monitor	
Selections: 00, 04, 08, 12, 16, 20, 24, 32		**Selections:** 00, 04, 08, 12, 16, 20, 24, 32		**Selections:** Assign the module to the area it is in.		**Selections:** Yes/No Main control unit cover tamper button.	
Regional Setting Default:		**Regional Setting Default:**		**Regional Setting Default:**		**Regional Setting Default:**	
N America	08	N America	04	N America	OFFICE	N America	Yes
European	08	European	04	European	AREA DE(SCRIP)	European	Yes
U.K. ACPO	08	U.K. ACPO	04	U.K. ACPO	AREA DE(SCRIP)	U.K. ACPO	Yes
Aus/NZ	08	Aus/NZ	04	Aus/NZ	OFFICE	Aus/NZ	Yes
China/H.K.	08	China/H.K.	04	China/H.K.	AREA DE(SCRIP)	China/H.K.	Yes
Netherlands	08	Netherlands	04	Netherlands	AREA DE(SCRIP)	Netherlands	Yes
Switzerland	08	Switzerland	04	Switzerland	AREA DE(SCRIP)	Switzerland	Yes
France	08	France	04	France	AREA DE(SCRIP)	France	Yes

Exit Delay Level		Tone Warnings	
Selections: Stay+On, On Only, None.		**Selections:** Yes/No	
Regional Setting Default:		**Regional Setting Default:**	
N America	Stay+On	N America	Yes
European	Stay+On	European	Yes
U.K. ACPO	Stay+On	U.K. ACPO	Yes
Aus/NZ	Stay+On	Aus/NZ	Yes
China/H.K.	Stay+On	China/H.K.	Yes
Netherlands	Stay+On	Netherlands	Yes
Switzerland	Stay+On	Switzerland	Yes
France	Stay+On	France	Yes

Annunciate Area Map
(Keypad tones)
Press the button below "↓Edit " to make changes. Scroll through the areas at the top of the screen using the left and right keypad arrows. When an area appears that needs to cause this keypad in this area to annunciate tones for e.g. alerts, exit tones from the other area, press the keypad button below ↓Yes or ↓No to assign the other area(s) to this keypad. A check mark ✓ will appear beside the Yes or No selection.

Regional Setting Default:	
N America	✓(Yes) for Area 1
European	✓(Yes) for Area 1
U.K. ACPO	✓(Yes) for Area 1
Aus/NZ	✓(Yes) for Area 1
China/H.K.	✓(Yes) for Area 1
Netherlands	✓(Yes) for Area 1
Switzerland	✓(Yes) for Area 1
France	✓(Yes) for Area 1

Arm Disarm Map (Arm/Disarm other areas)
Press the button below "↓Edit " to make changes. Scroll through the areas at the top of the screen using the left and right keypad arrows. When an area appears that needs to be armed /disarmed from this keypad, press the keypad button below ↓Yes or ↓No to assign the other area(s) to this keypad. A check mark ✓ will appear beside the Yes or No selection.

Regional Setting Default:	
N America	✓(Yes) for Area 1
European	✓(Yes) for Area 1
U.K. ACPO	✓(Yes) for Area 1
Aus/NZ	✓(Yes) for Area 1
China/H.K.	✓(Yes) for Area 1
Netherlands	✓(Yes) for Area 1
Switzerland	✓(Yes) for Area 1
France	✓(Yes) for Area 1

Exit Delay Map (what areas will there be an exit delay in)
Press the button below "↓Edit " to make changes. Scroll through the areas at the top of the screen using the left and right keypad arrows. When an area appears that needs to also have an exit delay when the area this keypad is assigned to is armed, press the keypad button below ↓Yes or ↓No to assign the other area(s) to this keypad. A check mark ✓ will appear beside the Yes or No selection.

Regional Setting Default:	
N America	✓(Yes) for Area 1
European	✓(Yes) for Area 1
U.K. ACPO	✓(Yes) for Area 1
Aus/NZ	✓(Yes) for Area 1
China/H.K.	✓(Yes) for Area 1
Netherlands	✓(Yes) for Area 1
Switzerland	✓(Yes) for Area 1
France	✓(Yes) for Area 1

Single Badge Mode

Single Badge Mode		Hold Badge Mode	
System response when momentarily touching an access card etc. to e.g. an LCD G-Prox keypad. **Selections:** Tgl (toggle)OFF-ON, TglSTAY-ON, Ext Exit Dly (external exit delay), Work Late, None, Auto logon, Arm ON, Arm ST (Stay) DisarmSTAY, Disarm OFF.		System response when holding an access card etc. to e.g. an LCD G-Prox keypad. **Selections:** None, Auto logon, Arm ON, Arm ST (Stay), DisarmSTAY, Disarm OFF, Tgl (toggle) OFF STAY, Tgl OFF-ON, TglSTAY-ON, ExtExitDly (external exit delay), Work Late.	
Regional Setting Default:		**Regional Setting Default:**	
N America	Auto log on	N America	Tgl OFF-ON
European	Disarm OFF	European	Arm ON
U.K. ACPO	Disarm OFF	U.K. ACPO	Arm ON
Aus/NZ	None	Aus/NZ	None
China/H.K.	Disarm OFF	China/H.K.	Arm ON
Netherlands	Disarm OFF	Netherlands	Arm ON
Switzerland	Disarm OFF	Switzerland	Arm ON
France	Disarm OFF	France	Arm ON

Input Points

Point Types: EE(entry/exit)Door, EE Route, Perimeter, Motion, Fap Motion, Day Warning, Burglary, Fire Class A, Fire 15s (second), Fire 0s (immediate), Hold-up, Aux Alert (auxiliary alert/emergency), Supervisory, Local 24h (hour), Lcl StayOn (Local Stay-On), Lcl Stay20n, Local On Only, undefined.

FAP: (False Alarm Preventer) If a FAP input is not OK longer than 10 seconds, an alarm condition occurs. If a FAP input is triggered and immediately resets, a 20 minute timer begins. If the same device is tripped or a different FAP device trips in the same 20 minutes, an alarm occurs.

Circuit Types: NC (normally closed), NC SERIES2K (normally closed with 2.2K End of Line resistor), NO PARALL2K (normally open with 2.2K End of Line resistor), DUAL 2K2 EO (Form "C" Dual 2.2K End of Line resistor)
Circuit Types UK: NO, 2K-ALM 1K-O, Type2 2K2EO, Type2 8K2EO.

Point Location	Regional Setting	Default Point Type	Default Name	Default Circuit Type	Assigned to Default AREA
Point 001, main control board.	N America	Entry/Exit Door	**FRONT DOOR**	NO PARALL2K	A01: OFFICE
	European	Entry/Exit Door	**FRONT DOOR**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	Custom # 80 (Command Point, Class: Supervisory. See Custom Point Programming and ACPO in Advanced Programming)	**LCLCMDATEALL**	NO	A01: AREA DE(SCRIP)
	Aus/NZ	Entry/Exit Door	**FRONT DOOR**	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	Entry/Exit Door	**FRONT DOOR**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Netherlands	Entry/Exit Door	**FRONT DOOR**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	Entry/Exit Door	**FRONT DOOR**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	Entry/Exit Door	**FRONT DOOR**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
Point 002, main control board.	N America	Entry/Exit Route (set to ON)	**LOBBY MOTION**	NO PARALL2K	A01: OFFICE
	European	EE Door	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	EE Door	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Aus/NZ	Entry/Exit Route (set to ON)	**LOBBY MOTION**	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	EE Door	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Netherlands	EE Door	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	EE Door	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	EE Door	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
Point 003, main control board.	N America	Motion (set to ON)	**OFFICE MOTION**	NO PARALL2K	A01: OFFICE
	European	EE Route	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	EE Route	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Aus/NZ	Motion (set to ON)	**OFFICE MOTION**	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	EE Route	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Netherlands	EE Route	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	EE Route	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	EE Route	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
Point 004, main control board.	N America	Motion (set to ON)	**INTR MOTION** (interior motion)	NO PARALL2K	A01: OFFICE
	European	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Aus/NZ	Motion (set to ON)	**INTR MOTION** (interior motion)	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Netherlands	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
Point 005,	N America	Motion (set to ON)	**REAR MOTION**	NO PARALL2K	A01: OFFICE

main control board.	European	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Aus/NZ	Motion (set to ON)	**REAR MOTION**	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Netherlands	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
Point 006, main control board.	N America	Perimeter (set to STAY & ON)	**PERIMETER DR** (perimeter door)	NO PARALL2K	A01: OFFICE
	European	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Aus/NZ	Perimeter (set to STAY & ON)	**PERIMETER DR** (perimeter door)	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Netherlands	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
Point 007, main control board.	N America	Perimeter (set to STAY & ON)	**OHD** (over head door)	NO PARALL2K	A01: OFFICE
	European	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Aus/NZ	Perimeter (set to STAY & ON)	**OHD** (over head door)	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Netherlands	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
Point 008, main control board.	N America	Entry/ Exit Door	**REAR DOOR**	NO PARALL2K	A01: OFFICE
	European	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Aus/NZ	Perimeter (set to STAY & ON)	**REAR DOOR**	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Netherlands	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)

Point 009, main control board.	N America	Perimeter (set to STAY & ON)	**PERIMETER DR**	NO PARALL2K	A01: OFFICE
	European	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Aus/NZ	Perimeter (set to STAY & ON)	**PERIMETER DR**	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Netherlands	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
Point 010, main control board.	N America	Perimeter (set to STAY & ON)	**PERIMETER DR**	NO PARALL2K	A01: OFFICE
	European	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Aus/NZ	Perimeter (set to STAY & ON)	**PERIMETER DR**	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2E0	A01: AREA DE(SCRIP)
	Netherlands	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
Point 011, main control board.	N America	Perimeter (set to STAY & ON)	**PERIMETER DR**	NO PARALL2K	A01: OFFICE
	European	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Aus/NZ	Perimeter (set to STAY & ON)	**PERIMETER DR**	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Netherlands	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	Motion (set to ON)	**CCT DESCRIP**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
Point 012, main control board.	N America	Perimeter (set to STAY & ON)	**PERIMETER DR**	NO PARALL2K	A01: OFFICE
	European	Day Warning	**SIREN TAMPER**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	U.K. ACPO	Day Warning	**SIREN TAMPER**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Aus/NZ	Perimeter (set to STAY & ON)	**PERIMETER DR**	DUAL 2K2 EO	A01: OFFICE
	China/H.K.	Day Warning	**SIREN TAMPER**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Netherlands	Day Warning	**SIREN TAMPER**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	Switzerland	Day Warning	**SIREN TAMPER**	TYPE2 2K2EO	A01: AREA DE(SCRIP)
	France	Day Warning	**SIREN TAMPER**	TYPE2 2K2EO	A01: AREA DE(SCRIP)

Point 013 First keypad alert button.	N America	Fire 0 second, no delay	**KEYPAD FIRE**	NO PARALL2K	A01: OFFICE
	European	Undefined			
	U.K. ACPO	Undefined			
	Aus/NZ	Fire 0 second, no delay	**KEYPAD FIRE**	NC SERIES2K	A01: OFFICE
	China/H.K.	Undefined			
	Netherlands	Undefined			
	Switzerland	Undefined			
	France	Undefined			
Point 014 Second keypad alert button.	N America	Hold-Up	**KEYPAD PANIC**	NO PARALL2K	A01: OFFICE
	European	Undefined			
	U.K. ACPO	Undefined			
	Aus/NZ	Hold-Up	**KEYPAD PANIC**	NC	A01: OFFICE
	China/H.K.	Undefined			
	Netherlands	Undefined			
	Switzerland	Undefined			
	France	Undefined			
Point 015 Third keypad alert button.	N America	Auxiliary Alert	**KEYPAD EMERG** (emergency)	NO PARALL2K	A01: OFFICE
	European	Undefined			
	U.K. ACPO	Undefined			
	Aus/NZ	Auxiliary Alert	**KEYPAD EMERG** (emergency)	NC SERIES2K	A01: OFFICE
	China/H.K.	Undefined			
	Netherlands	Undefined			
	Switzerland	Undefined			
	France	Undefined			
Points 016 – 256 undefined.	N America				
	European				
	U.K. ACPO				
	Aus/NZ				
	China/H.K.				
	Netherlands				
	Switzerland				
	France				

Equipment Failures

E01 System Tamper				
Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	1 second (permanent)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
European	1 second (permanent)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
U.K. ACPO	1 second (permanent)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
Aus/NZ	1 second (permanent)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
China/H.K.	1 second (permanent)	OFF✓ STAY✓ ON✓	OFF✓ STAY☐ ON☐	OFF✓ STAY☐ ON☐
Netherlands	1 second (permanent)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
Switzerland	1 second (permanent)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
France	1 second (permanent)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
E02 Low/No Battery				
Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
Switzerland	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E03 AC Mains Failure

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	4 hours	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	60 minutes	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	4 hours	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	30 minutes	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	60 minutes	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	60 minutes	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	60 minutes	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	60 minutes	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E04 No Phone Line

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	Undefined (5 minutes)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E05 Report Delay

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	10 minutes	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	10 minutes	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	10 minutes	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	10 minutes	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	10 minutes	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	10 minutes	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	10 minutes	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	10 minutes	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E06 Time Lost

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E07 Time Change

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

		Transmit	Sonalert	Siren
European	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

E08 Program Edit (Change)

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

E09 Program Error

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

E10 Fuse Failure

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

E11 Module (Pod) Trouble

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
European	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
U.K. ACPO	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
Aus/NZ	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
China/H.K.	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
Netherlands	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓

Switzerland	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓
France	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON✓

E12 Module (Pod) Battery Low

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	1 second	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

E13 Module (Pod) Program Edit

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

E14 Module (Pod) Program Error

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

E15 Output Trouble

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

E16 HSC, Security IP Trouble

Regional Setting Defaults	Time Delay	Transmit	Sonalert	Siren
N America	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

European	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

Outputs

Pre-programmed Output
numbers like B001 will
display with their pre-

```
Select Output?
◄B001►S000.07 ↓Ok
```

programmed code: e.g. S000.07. This is an output code that is programmed in Advanced Programming. Press ↓Ok to
edit the pre-programmed output using the following simplified output selections.

Select Output	Select Group (Program Section)	Select Condition	Select Operation
B001 – B128	System	Fully On, In Alarm, Siren, Fire Cadence, Was In Alarm	Toggle, Normal, Time Delay or Inverted
B001 – B128	Areas Select Area #	On, Stay 2, Stay 1, Stay 1 and 2, Off, Not On, Not Off, Alarm, Was (In) Alarm	Toggle, Normal, Time Delay or Inverted
B001 – B128	Protection Points Select Point #	Normal, Not Normal, Day Not Normal, Nite (Night) Not Normal, Alarm, Bypassed, Dly prepro (Delay Preprocess), Tamper, Point Delay, Pos (Positive) Confirm.	Toggle, Normal, Time Delay or Inverted
B001 – B128	Outputs Select Output #	Real OP (output) On, Equation is True, Manual Command	Toggle, Normal, Time Delay or Inverted
B001 – B128	Modules Select Module #	On Line, Tamper, Comms Trbl (Communications Trouble), Battry Trbl (Battery Trouble), User Logged On,	Toggle, Normal, Time Delay or Inverted
B001 – B128	Equipment Points Select Point #	System Tmpr (Tamper), Low/No Battery, AC Failure, No Phone Line, Report Delay, Time Lost, Time Change, Progr (Program) Edit , Progr (Program) Error, Fuse Fail, Pod (Module) Trouble, Pod Bat (Module Battery) Low, Pod Prg (Module Program) Edit, Pod Prg Err (Module Program Error), Oup Troubl (Output Trouble), HSC Troubl.	Toggle, Normal, Time Delay or Inverted

Simplified Regional Settings Output Defaults

Select Output	Regional Setting Default	Select Group (Program Section)	Select Area, Point, etc.	Select Condition	Select Operation
B001 (Relay 1 on motherboard)	N America (Advanced programming code: S000.07)	System		Fire Cadence	Normal
B001 (Relay 1 on motherboard)	European (S000.07)	System		Fire Cadence	Normal
B001 (Relay 1 on motherboard)	Aus/NZ (S000.06)	System		Siren	Normal
B001 (Relay 1 on motherboard)	China/H.K. (S000.07)	System		Fire Cadence	Normal
B001 (Relay 1 on motherboard)	Netherlands (S000.06)	System		Siren	Normal
B001 (Relay 1 on motherboard)	Switzerland (S000.07)	System		Fire Cadence	Normal
B001 (Relay 1 on motherboard)	France (S000.07)	System		Fire Cadence	Normal
B002 (Relay 2 on motherboard)	N America (S000.05)	System		In Alarm	Normal
B002 (Relay 2 on motherboard)	European (S000.05)	System		In Alarm	Normal
B002 (Relay 2 on motherboard)	Aus/NZ (S000.57)	System		Fully On (Strobe)	Normal
B002 (Relay 2 on motherboard)	China/H.K. (S000.05)	System		In Alarm	Normal

B002 (Relay 2 on motherboard)	Netherlands (S000.57)	System		Fully On (Strobe)	Normal
B002 (Relay 2 on motherboard)	Switzerland (S000.05)	System		In Alarm	Normal
B002 (Relay 2 on motherboard)	France (S000.05)	System		In Alarm	Normal
B003 (keypad)	N America (Advanced programming code: A001.01)	Areas	A01: OFFICE	Function Key 1 on Area 1 1st keypad. Positive Trigger, 10 sec delay. **NOTE:** A complex output like this must be programmed in Advanced Programming.	Normal
B003 (keypad)	European (A001.01)	Areas	A01: AREA DE(SCRIP)	Same as above.	Normal
B003 (keypad)	Aus/NZ (A001.01)	Areas	A01: OFFICE	Same as above.	Normal
B003 (keypad)	China/H.K. (A001.01)	Areas	A01: AREA DE(SCRIP)	Same as above.	Normal
B003 (keypad)	Netherlands (A001.01)	Areas	A01: AREA DE(SCRIP)	Same as above.	Normal
B003 (keypad)	Switzerland (A001.01)	Areas	A01: AREA DE(SCRIP)	Same as above.	Normal
B003 (keypad)	France (A001.01)	Areas	A01: AREA DE(SCRIP)	Same as above.	Normal
B004 – B128 Undefined	N America (?000.00)				
B004 – B128 Undefined	European (?000.00)				
B004 – B128 Undefined	Aus/NZ (?000.00)				
B004 – B128 Undefined	China/H.K. (?000.00)				
B004 – B128 Undefined	Netherlands (?000.00)				
B004 – B128 Undefined	Switzerland (?000.00)				
B004 – B128 Undefined	France (?000.00)				

Outputs (UK version)

Select Output	Select Group (Program Section)	Select Condition	Select Operation
B001 – B128	System	Fully On, In Alarm, Siren, Fire Cadence, Was In Alarm, ACPO Fire, ACPO Attack, ACPO Unconfirmed, ACPO Set, ACPO F/Faul (Fire Fault), ACPO Bypass, ACPO Confirmed, ACPO Siren, ACPO Strobe.	Toggle, Normal, Time Delay or Inverted
B001 – B128	Areas Select Area #	ACPO Fire, ACPO Attack, ACPO Unconfirmed, ACPO Set, ACPO F/Faul (Fire Fault), ACPO Bypass, ACPO Confirmed, ACPO Siren, ACPO Strobe.	Toggle, Normal, Time Delay or Inverted
B001 – B128	Protection Points Select Point #	Normal, Not Normal, Day Not Normal, Nite (Night) Not Normal, Alarm, Bypassed, Dly prepro (Delay Preprocess), Tamper, Point Delay, Pos (Positive) Confirm.	Toggle, Normal, Time Delay or Inverted
B001 – B128	Outputs Select Output #	Real OP (output) On, Equation is True, Manual Command.	Toggle, Normal, Time Delay or Inverted
B001 – B128	Modules Select Module #	On Line, Tamper, Comms Trbl, (Communications Trouble), Battery Trouble, User Loged On.	Toggle, Normal, Time Delay or Inverted
B001 – B128	Equipment Points Select Point #	System Tmpr (Tamper), Low/No Battery, AC Mains Failure, No Phone Line, Report Delay, Time Lost, Time Change, Progr (Program) Edit , Progr (Program) Error, Fuse Fail, Pod (Module) Trouble, Pod Bat (Module Battery) Low, Pod Prg (Module Program) Edit, Pod Prg Err (Module Program Error), Oup Troubl (Output Trouble), HSC Troubl.	Toggle, Normal, Time Delay or Inverted

UK Default Outputs

Select Output	Select Group (Program Section)	Select Area, Point, etc.	Select Condition	Select Operation
B001 Relay 1 motherboard	System		000.66 ACPO Siren	Inverted
B002 Relay 2 motherboard	System		000.67 Confirmed Alarm (ACPO strobe)	Inverted
B003 WW STU	Areas	Area 1	001.33 When area Entry / Exit delay is in progress – provides a steady output (STAY & ON).	Normal
B004 WW STU	System		000.60 Personal ACPO Attack	Normal
B005 WW STU	System		000.61 ACPO Unconfirmed Alarm	Inverted
B006 WW STU	System		000.62 ACPO Area Set / Unset	Inverted
B007 WW STU	System		000.64 ACPO Bypass in Effect	Inverted
B008 WW STU	System		000.54 Local AC (mains) failure.	Inverted
B009 WW STU	System		000.65 ACPO Confirmed Alarm	Inverted
B010 WW STU	Areas	Area 1	001.32 Area is in 'Walk' or 'Hold-up' test.	Inverted
B011 – B128	Undefined			

WW STU = World Wide modem with outputs

Circuits

Input Circuit Types and Defaults (Also programmable in Advanced Programming, Section S007:00)

Regional Setting	Select Circuit	Circuit Name	Pre-Programmed Resistor Configurations (TYPE1 NC, TYPE2 NO, TYPE3 NC Single Series ,TYPE4 NC Single Parallel , TYPE5 NO Single Series , TYPE6 NO Single Parallel ,TYPE7 NC Dual Type 1 , TYPE8 NC Dual Type 2 , TYPE9 NO Dual Type 1 , TYPE10 NO Dual Type 2)	Type	Enter Custom Resistor Values	
N America	C01	NC	Normally Closed	1	No resistor	
	C02	NC SERIES2K2	NC Single (resistor) Series	3	R1 (ohms) 00000	
	C03	NO PARALL2K2	NO (normally open) Single (resistor) Parallel	6	R1 (ohms) 00000	
	C04	DUAL 2K2 EOL	NC Dual Type 2	8	R1 (ohms) 00000	R2 (ohms) 00000
European	C01	N0	Normally Open	2	No resistor	
	C02	2 K = ALM 1 K = OK	Normally closed dual type 2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C03	TYPE2 2K2EOL	NC Dual Type2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C04	TYPE2 8K2EOL	NC Dual Type 2	8	R1 (ohms) 00000	R2 (ohms) 00000
U.K. ACPO	C01	N0	Normally Open	2	No resistor	
	C02	2 K = ALM 1 K = OK	Normally closed dual type 2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C03	TYPE2 2K2EOL	NC Dual Type2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C04	TYPE2 8K2EOL	NC Dual Type 2	8	R1 (ohms) 00000	R2 (ohms) 00000
Aus/NZ	C01	NC	Normally Closed	1	No resistor	
	C02	NC SERIES2K2	NC Single (resistor) Series	3	R1 (ohms) 00000	
	C03	NO PARALL2K2	NO (normally open) Single (resistor) Parallel	6	R1 (ohms) 00000	
	C04	DUAL 2K2 EOL	NC Dual Type 1	7	R1 (ohms) 00000	R2 (ohms) 00000
China/H.K.	C01	N0	Normally Open	2	No resistor	
	C02	2 K = ALM 1 K = OK	Normally closed dual type 2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C03	TYPE2 2K2EOL	NC Dual Type2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C04	TYPE2 8K2EOL	NC Dual Type 2	8	R1 (ohms) 00000	R2 (ohms) 00000
Netherlands	C01	N0	Normally Open	2	No resistor	
	C02	2 K = ALM 1 K = OK	Normally closed dual type 2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C03	TYPE2 2K2EOL	NC Dual Type2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C04	TYPE2 8K2EOL	NC Dual Type 2	8	R1 (ohms) 00000	R2 (ohms) 00000
Switzerland	C01	N0	Normally Open	2	No resistor	
	C02	2 K = ALM 1 K = OK	Normally closed dual type 2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C03	TYPE2 2K2EOL	NC Dual Type2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C04	TYPE2 8K2EOL	NC Dual Type 2	8	R1 (ohms) 00000	R2 (ohms) 00000

Circuits

France	C01	N0	Normally Open	2	No resistor	
	C02	2 K = ALM 1 K = OK	Normally closed dual type 2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C03	TYPE2 2K2EOL	NC Dual Type2	8	R1 (ohms) 00000	R2 (ohms) 00000
	C04	TYPE2 8K2EOL	NC Dual Type 2	8	R1 (ohms) 00000	R2 (ohms) 00000

Entering and Understanding Advanced Configurations

- Logon to the system as a service user. E.g. Default ID: "000", service user PIN: "2482" or "7378" if the panel has communicated with the Director Software.
  NOTE: If the system Feature Set (S002↓00) is 5 or greater, keypad programming can not be done. Programming can only be done with the Director Software.
  NOTE: Default MASTER (end) USER code is ID 01 or 001, PIN 7793.

LCD Screen

```
Service
Enter PIN: _ _ _ _
```

- When the control box tamper is activated, a service user has the authority to access system programming.

- Using the left and right arrow screen scrolling keys on the keypad

```
Menu Options
◄ Config  ►    ↓Ok
```

scroll the menus until **Config** is displayed. Press Ok. "Config method" will display. Select "Advanced" with the arrow keys and press Ok.

- The screen that begins Advanced programming will display.

```
S001:00      E-05Q34
↓OK      ↓+Group-↓
```

S001:00: this is the start of the **S**ystem program section. Each of the program sections begin with a letter. The next 3 digits (e.g. "001") represent the first program section for System programming. The next 2 digits (e.g. "00" after the colon) represent a sub programming section of this main system program section.
The letters for each of the programming sections are: **S:** System; **A:** Areas; **M:** Modules; **P:** Input Points; **E:** Equipment Failure Points; **B:** Programmable Outputs; **L:** Authority Levels; **I:** Profile; **W:** User Edit; **U:** Users; **H:** Holidays; **D:** Schedules; **T:** Custom Pt Type; **R:** DooRs; **G:** Area Group; **Z:** Shared Data Groups (Users and Holidays).
E-05Q34: the version of the main controller firmware.
↓+Group-↓: Using the middle or right down arrow keys this term's arrows are pointing to will scroll forward or backward through the various program sections (Groups). It will change the program section letter and display that section's program selections for the same programming and sub programming section.
↓OK: Pressing the button below OK will enter the programming section displayed.

- A sub programming section can display several defaulted

```
□.□.0.□.1.✓✓✓□□
↓Save      S002:1
```

selections that will affect the way the system operates. These selections can be changed to customize the system operation. A box "□" represents that a programming selection has been disabled. A check mark "✓" means that it is enabled. With the cursor flashing under a specific selection, the selection can be toggled back and forth from a box to a check mark by pressing any key on the keypad.

Other entries are numerical and with the cursor flashing under them they can be changed by pressing the desired number entry on the keypad from available selections. When entering a sub programming section and all its various selections, the section displayer (e.g. S002:1) appears in the lower right corner of the screen.

When a selection has bee changed, always press the button below ↓Save to retain the change.

- A program section with a down arrow in its section displayer means if the

```
201.01.01. . . .
↓Save    ↓?  P001↓0
```

down arrow button beneath it is pressed, the screen will change to the next input, output etc. and the same program selections for it.

- Pressing the keypad button below " ↓? " when it displays in a screen, will cause a momentary screen to display related information. E.g. an input or output number associated with a module will display the module's number (i.e. module # XX), what type it is (e.g. Point Expander module), the module's serial number and its input or output number range. Pressing the button below "↓✱ " will display information about a specialized module such as RF wireless or a printer module.

Advanced Program Sections, Sub Program Sections and Selections

NOTE: For quick reference to locate Advanced Programming Section Selections, consult the Index at the back of this manual.

WARNING: Access, Elevator and Suite Security selections are only available with the addition of the "Feature Expansion Board" to the System.

> Programming selections whose boxes are grey are not available for this version.

Advanced Programming System Global Timer Delay Table Codes						
00: undefined;	05: 10 sec;	(09: China/HK=40 sec)	12: 2 min;	17: 20 min;	22: 2 hr;	27: 12 hr;
01: 1 sec;	06: 15 sec;	10: 60 sec;	13: 3 min;	18: 30 min;	23: 4 hr;	28: 16 hr;
02: 2 sec;	07: 20 sec;	11: 90 sec;	14: 5 min;	19: 45 min;	24: 6 hr;	29: 20 hr;
03: 3 sec;	08: 30 sec;	(11: China/HK=100 sec)	15: 10 min;	20: 60 min;	25: 8 hr;	30: 1 day;
04: 5 sec;	09: 45 sec;		16: 15 min;	21: 90 min;	26: 10 hr;	31: 1 week

Program Section: S001 (System Wide Selections)

S001↓00 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
14·03·01·0·1·1·0
↓Save        S001↓00
```

Name	Selections	Description	Regional Settings Default	
Burglary Siren Time	Delay Table Maximum = 2 hours.	How long a siren in the system will sound.	N America	14 (5 min)
			European	17 (20 min)
			U.K. ACPO	16 (15 min)
			Aus/NZ	14 (5 min)
			China/H.K.	22 (2 hr)
			Netherlands	17 (20 min)
			Switzerland	17 (20 min)
			France	17 (20 min)
Number of panel inputs	Multiply entries by four (4) E.g. 4 X 1 = 4. Enter "**01**" for 4 inputs. 4 X 2 = 8. Enter "**02**" for 8 inputs. 4 X 3 = 12. Enter "**03**" for 12 inputs. 4 X 4 = 16. Enter "**04**" for 16 inputs. 4 X 5 = 20. Enter "**05**" for 20 inputs.	For VBUS input boards connected to the main controller VBUS port. 20 inputs maximum. 12 on main board and 1 VBUS input boards possible.	N America	03
			European	03
			U.K. ACPO	03
			Aus/NZ	03
			China/H.K.	03
			Netherlands	03
			Switzerland	03
			France	03
Number of panel outputs	Multiply entries by four (4) E.g. 4 X 1 = 4. Enter "**1**" for 4 outputs. 4 X 2 = 8. Enter "**2**" for 8 outputs. 4 X 3 = 12. Enter "**3**" for 12 outputs. 4 X 4 = 16. Enter "**4**" for 16 inputs. 4 X 5 = 20. Enter "**5**" for 20 inputs. 4 X 6 = 24. Enter "**6**" for 24 inputs. 4 X 7 = 28. Enter "**7**" for 28 inputs.	For VBUS output boards or modem output boards connected to the main controller VBUS port. 26 outputs maximum. Program for 28 outputs and skip outputs 27 – 28. 2 relays on main board and 2 VBUS output boards possible or 1 VBUS output board and one 8 output modem board. Also see S001:06 -07.	N America	01
			European	01
			U.K. ACPO	03
			Aus/NZ	01
			China/H.K.	01
			Netherlands	01
			Switzerland	01
			France	01
Panel Type	0 = xL, 1 = MONITOR ISM, 2 = Future, 3 = Future.	**NOTE:** Regional Settings does not support Monitor ISM.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

Module Bus (SNAPP) Baud Rate	0 = Auto Minimum (19K2), 1 = Auto Maximum 38K4	The communications speed between the main panel and the expansion modules.	N America	1
			European	1
			U.K. ACPO	1
			Aus/NZ	1
			China/H.K.	1
			Netherlands	1
			Switzerland	1
			France	1
Suite Security (Condo) Baud Rate **NOTE:** This feature is only available with the addition of the Director Software and Feature Expansion Board.	0 = Auto Minimum (19K2), 1 = Auto Maximum (38K4) 2 = 9600 (Auto Minimum), 3 = future.	The communications speed between the main panel and the Suite Security modules. **NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	1
			European	1
			U.K. ACPO	1
			Aus/NZ	1
			China/H.K.	1
			Netherlands	1
			Switzerland	1
			France	1
Fallback Users	0: No access 1: All readable tokens 2: All with valid site code 3: 10 fallback users	Specific Cards granted access if door controller is unable to access the panel database. Refer to **S006↓00-09** for the 10 Fallback Users.	N America	0
			European	1
			U.K. ACPO	1
			Aus/NZ	2
			China/H.K.	1
			Netherlands	1
			Switzerland	1
			France	1

S001↓01 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Main screen message	A greeting message that rotates with any other main screen messages. It can be customized with the cursor under a letter or in a blank space and pressing the desired keypad button to enter a particular letter/number. Use the left and right arrow keys to maneuver back and forth. Use the underscore key " _ " on the keypad to insert a space or clear a character.		N America	WELCOME
			European	WELCOME
			U.K. ACPO	CHUBB SECURITY
			Aus/NZ	CHUBB SECURITY
			China/H.K.	WELCOME
			Netherlands	WELCOME
			Switzerland	WELCOME
			France	WELCOME

S001↓02 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
000000 · □□□□□□□□
↓Save        S001↓02
```

Name	Selections	Description	Regional Settings Default	
Panel Unique ID (Panel Code, System ID)		A (non-zero) number to identify the panel, site, or account to the Director software. For an existing system to be synchronized with the Director software, this must be a non-zero value set here to match the "Panel Code" in the software.	N America	000000
			European	000000
			U.K. ACPO	000000
			Aus/NZ	000000
			China/H.K.	000000
			Netherlands	000000
			Switzerland	000000
			France	000000
Unlock Doors on Fire Alarm **NOTE:** This feature is only available with the addition of the Feature Expansion Board.	✓ = Global Unlock □ (no)	Will a fire alarm unlock all controlled doors in the facility?	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

S001↓02 Keypad Selections

Auto Update Card Version **NOTE:** This feature is only available with the addition of the Feature Expansion Board.	✓ Allow automatic version update. ☐ Disable update	Whether or not replacement cards are to be granted entry, and the system is to be updated with the higher version number automatically. (This setting refers to fixed-ID cards with a version number).	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Delay Screen	✓ (yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Fast Restore	✓ (yes) ☐ (no)	If a point restore is to be sent within 1 min. (as opposed to siren time-out).	N America	☐ (no)
			European	✓ (yes)
			U.K. ACPO	✓ (yes) UK ver. is 12 sec.
			Aus/NZ	✓ (yes)
			China/H.K.	✓ (yes)
			Netherlands	✓ (yes)
			Switzerland	✓ (yes)
			France	✓ (yes)
Ring Back Required	✓ (yes) ☐ (no)	If monitoring station will cause keypad tone & siren to confirm area arming (for UL).	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Suite Security System **NOTE:** This feature is only available with the addition of the Director Software and Feature Expansion Board.	0 = Normal, 1 = Different users per area.	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Single Panel	✓ (yes) ☐ (no)	Yes = Single Panel No = Multi Panel connection.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Enable Wall Tamper	✓ (yes) ☐ (no)	Main control box back tamper switch.	N America	☐ (no)
			European	✓ (yes)
			U.K. ACPO	✓ (yes)
			Aus/NZ	✓ (yes)
			China/H.K.	✓ (yes)
			Netherlands	✓ (yes)
			Switzerland	✓ (yes)
			France	✓ (yes)

S001↓03 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
3rd Party Password		This is a security 'key' that blocks an unauthorized connection to this panel i.e., by a PC running another copy of the Director software.	N America	000000
			European	000000
			U.K. ACPO	000000
			Aus/NZ	000000
			China/H.K.	000000
			Netherlands	000000
			Switzerland	000000
			France	000000

S001↓04 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
00·0·0·0·0·□□□□·
↓Save       S001↓04
```

Name	Selections	Description	Regional Settings Default	
Confirmed Alarm Time Out	Delay Table		N America	00
			European	00
			U.K. ACPO	18
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Maximum Number of Alarms per Point Arming State	0 = All, 1 = 1, 2 = 2, 3 = 3 Primarily for European Users.		N America	0
			European	3
			U.K. ACPO	3
			Aus/NZ	1
			China/H.K.	3
			Netherlands	3
			Switzerland	3
			France	3
Menu Navigation	0 = Standard, 1 = Ok-SOFT-3, 2 = Ok-SOFT-1, 3 = future.	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
LCD Menu Style	0 = Standard, 1 = Ok-SOFT-3, 2 = Ok-SOFT-1, 3 = future.		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Unconfirmed Reset Mode	0 = None, 1 = Follow Confirm Alarm, 2 = Include Master, 3 = future.		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

S001↓04 Keypad Selections

Confirm Reset Service	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	✓(yes)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Confirm Reset Master	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Confirm Reset Challenged PIN.	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Confirm Reset using Remote	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

S001↓05 Keypad Selections   (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
AC Reference Voltage	E.g. 01100 = 110.0 Decivolts	Main panel electrical mains operation. E.g. 01100 = 110.0 Decivolts	N America	01100
			European	02300
			U.K. ACPO	02200
			Aus/NZ	02400
			China/H.K.	02300
			Netherlands	02300
			Switzerland	02300
			France	02300
Battery Size	Amp hours X 10 E.g. display as 7.0		N America	070
			European	070
			U.K. ACPO	170
			Aus/NZ	070
			China/H.K.	070
			Netherlands	070
			Switzerland	070
			France	070

AC Sync	0=60 Hz, 1=50 Hz, 2=No sync required, 3=DC supply	Synchronization with AC line to maximize internal clock accuracy. With an unstable AC source, select "2: AC-No Sync" ('AC failure' will be reported if the frequency drops below 12.5 Hz). With a DC source, be sure to disable E003 (AC Trouble) under "Equipment Settings". DC supply option will not detect power failure condition and will not have a time base sync	N America	0
			European	1
			U.K. ACPO	1
			Aus/NZ	1
			China/H.K.	1
			Netherlands	1
			Switzerland	1
			France	1
AC Brownout Mode	0=None, 1=Local alarm, 2=Alarm+report, 3=Report only		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

S001↓06 Keypad Selections   (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
VBUS Panel Output Base	See: **Main Panel Output Examples:** next	What number the outputs that will be used on the main controller's VBUS connection will start at.	N America	001
			European	001
			U.K. ACPO	001
			Aus/NZ	001
			China/H.K.	001
			Netherlands	001
			Switzerland	001
			France	001
Paging Output Base	See: **Main Panel Output Examples:** next	What number the outputs that will be used on the paging system will start at. Also see S005:08, 09	N America	001
			European	001
			U.K. ACPO	001
			Aus/NZ	001
			China/H.K.	001
			Netherlands	001
			Switzerland	001
			France	001
Output Base for: World Wide Modem with 8 output STU REDCARE interface or 8 output STU REDCARE interface STU = Subscriber Terminal Unit	See: **Main Panel Output Examples:** next	What number the outputs that will be used with the main control board output plug in boards will start at.	N America	001
			European	001
			U.K. ACPO	003
			Aus/NZ	001
			China/H.K.	001
			Netherlands	001
			Switzerland	001
			France	001

Main Panel Output Examples: If the main panel's 2 relay outputs have a base of 1; this is the base number they start at. Assigning outputs to them would require the minimum amount of 4. Outputs 3 and 4 are not used. The next set of outputs could be the World Wide Modem with 8 output STU plugged in to the main controller modem port. Its base number would then be 5. 8 outputs assigned to it would make its output range 5 to 12. Next would be if an 8 output VBUS board was connected to the main controller VBUS port. Its base number would be 13 and assigned 8 outputs making its range 13 – 20. Instead of modem outputs and one VBUS output board, 2 VBUS output boards could be used in the same way. More outputs can follow through module programming after the main controller or pager outputs can be added next. The pager output's base number would then be 21 and could be assigned 4 outputs that would be 21 – 24 (maximum 16 pager outputs). Then output ranges for regular modules after the ones assigned to the main control unit can be done.

S001↓07 Keypad Selections

(left to right on keypad screen) **N America Example:**

```
00·00·0·0·0·□ ······
↓Save      S001↓07
```
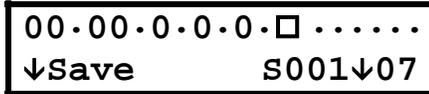
Name	Selections	Description	Regional Settings Default	
VBUS Panel # Outputs	0=0, 1=2, 2=4, 3=6, 4=8, 5=10, 6=12, 7=14, 8=16,		N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Paging # Outputs	0=0, 1=2, 2=4, 3=6, 4=8, 5=10, 6=12, 7=14, 8=16	Also see S005:08, 09	N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Main Panel Plug In Board Outputs	0=0, 1=2, 2=4, 3=6, 4=8	Also see S005:08, 09	N America	0
			European	0
			U.K. ACPO	4
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
VBUS Mode	0 – 3 future	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
VBUS Speed	0 – 3 future		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Allow Port Expanders	✓(yes) □ (no)		N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

S001↓08 Keypad Selections   (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Delinquent Arming Threshold	0 – 127 days	Delinquent Account Protection. Tracks panels that have not been operated for the number of days selected.	N America	000
			European	000
			U.K. ACPO	000
			Aus/NZ	000
			China/H.K.	000
			Netherlands	000
			Switzerland	000
			France	000
Area Group Mode	0=By area arming only 1=User Groups Only: users can turn on protection to all groups of areas they are authorized for. 2=Manual + User Groups: users can turn on protection to all groups of areas they are authorized for, individual area groups or areas. 3=Remote Group or Area or Local Group	Used in association with the Group Area program section G001↓00, the Arm/Disarm Map, M001↓03, Authority Profiles and Authority Levels for a user to have control over multiple areas.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Report Delinquent Arming	✓(yes) ☐ (no)	Delinquent Account Protection. Reports panels that have not been operated for the number of days selected in Delinquent Arming Threshold. (Will not apply if Delinquent Arming Threshold = 000)	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

NOTE: Programming selections whose boxes are grey are not available for this version.

S002↓00 Keypad Selections   (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Operation Mode	0- Standard version 1- European with modem support 2- UK (DD243) (ACPO) 3- Australia 4- China/Hong Kong 5- Netherlands 6- Switzerland 7- France		N America	0
			European	1
			U.K. ACPO	2
			Aus/NZ	3
			China/H.K.	4
			Netherlands	5
			Switzerland	6
			France	7
Feature Set	1-14 from the following table.	This setting determines the system capacity.	N America	03
			European	04
			U.K. ACPO	04
			Aus/NZ	04
			China/H.K.	04
			Netherlands	04
			Switzerland	04
			France	04

Panel Feature Set Levels and Capacities:														
Feature	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**
Users	20	100	300	1000	1000	2000	4000	10,000	10.000	20,000	20,000	20,000	64,000	64,000
Doors	16	16	16	16	32	32	32	32	32	32	32	32	32	32
Schedule	50	50	50	100	100	100	100	250	250	250	250	250	250	250
Authority	30	30	30	100	100	100	100	500	500	500	1000	1000	1000	1000
Profile	60	60	60	200	200	200	200	750	750	1000	1000	1000	1000	1000
User Edit	10	10	10	50	50	50	50	100	100	100	100	100	100	100
Floor Authority	0	0	0	0	50	50	50	100	100	100	100	100	100	100
Point	256	256	256	256	256	256	256	256	256	256	256	256	256	256
Outputs	128	128	128	128	128	128	128	128	128	128	128	128	128	128
Area	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Log	1024	1024	1024	2048	2048	2048	2048	8192	8192	8192	16,364	16,364	65,536	32,768
Module*	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Custom Point	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Equipment Failure Point	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Holiday	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Suite Security	0	0	0	0	60	60	60	60	60	60	60	60	60	60
Floor	0	0	0	0	50	50	50	100	100	100	100	100	100	100

* Plus capacity for one temporary service LCD keypad for connecting to the module bus at the main controller.

- The "Feature Expansion Board" must be added to the system for Feature Set 4 and higher.

- Feature Set 5 and higher can only be configured using "Enterprise" level software. Prime level software is limited to Feature Sets 1 – 4.

S002↓01 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
0·0·0·□ ✓□ □ ✓✓✓□ □·
↓Save          S002↓01
```

Name	Selections	Description	Regional Settings Default	
User Logon Mode	0 = Standard user ID logon or Card Number logon: 1 = 4 digit, 2 = 5 digit, 3 = 6 digit, 4 = 7 digit, 5 = 8 digit 6 = 9 digit, 7 = 10 digit	Users can enter their card # at LCD keypad & keypad readers.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Service Pin Mode	0: Permanent 1: Temporary 2 = 6 Digit Pin of the Day	"6 digit pin of the day" service PIN mode <u>related to:</u> "Dealer ID" S002:04. Contact the Central Monitoring facility and provide them with this number to obtain the required PIN for the current day. While in this mode, any manually configured service PIN will be ignored.	N America	0
			European	0
			U.K. ACPO	2
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Escort Required Mode	0 = escorted by users with Escort authority. 1 = escorted by Permanent Users. 2 = escorted by a Permanent or Temporary user.	Escort type a Visitor is accompanied by.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
5 Digit PIN	✓(yes) □ (no)	Whether or not user PIN entry will require 5 digits.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
PIN Duress	✓(yes) □ (no)	Refers to users reversing the last 2 digits when entering their PIN at a keypad to indicate they are being forced to enter (or forced to login at a keypad). **NOTE:** Applicable reader(s) must be set for "Card and/or **PIN**" entry.	N America	✓(yes)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	✓(yes)
			China/H.K.	✓(yes)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Access Panic Tokens **NOTE:** This feature is only available with the addition of the Feature Expansion Board.	✓(yes) □ (no)	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

S002↓01 Keypad Selections

Blind Card Re-enrollment **NOTE:** This feature is only available with the addition of the Feature Expansion Board.	✓ (yes) ☐ (no)	Meaningful only if using card enabling feature	N America	☐ (no)	
			European	☐ (no)	
			U.K. ACPO	☐ (no)	
			Aus/NZ	☐ (no)	
			China/H.K.	☐ (no)	
			Netherlands	☐ (no)	
			Switzerland	☐ (no)	
			France	☐ (no)	
Supports Intrusion	✓ (yes) ☐ (no)	System Type. Viewing only. Dependent on setting in Director Software. System capacity.	N America	✓(yes)	
			European	✓(yes)	
			U.K. ACPO	✓(yes)	
			Aus/NZ	✓(yes)	
			China/H.K.	✓(yes)	
			Netherlands	✓(yes)	
			Switzerland	✓(yes)	
			France	✓(yes)	
Supports Access **NOTE:** This feature is only available with the addition of the Feature Expansion Board.	✓ (yes) ☐ (no)	System Type. Viewing only. Dependent on setting in Director Software.	N America	✓(yes)	
			European	✓(yes)	
			U.K. ACPO	✓(yes)	
			Aus/NZ	✓(yes)	
			China/H.K.	✓(yes)	
			Netherlands	✓(yes)	
			Switzerland	✓(yes)	
			France	✓(yes)	
Supports Central Station	✓ (yes) ☐ (no)	System Type. Viewing only. Dependent on setting in Director Software.	N America	✓(yes)	
			European	✓(yes)	
			U.K. ACPO	✓(yes)	
			Aus/NZ	✓(yes)	
			China/H.K.	✓(yes)	
			Netherlands	✓(yes)	
			Switzerland	✓(yes)	
			France	✓(yes)	
Supports: Suite Security Modules **NOTE:** This feature is only available with the addition of the Director Software and Feature Expansion Board.	✓ (yes) ☐ (no)	System Type. Viewing only. Dependent on setting in Director Software.	N America	☐ (no)	
			European	☐ (no)	
			U.K. ACPO	☐ (no)	
			Aus/NZ	☐ (no)	
			China/H.K.	☐ (no)	
			Netherlands	☐ (no)	
			Switzerland	☐ (no)	
			France	☐ (no)	
Supports: Elevators **NOTE:** This feature is only available with the addition of the Director Software and Feature Expansion Board.	✓ (yes) ☐ (no)	System Type. Viewing only. Dependent on setting in Director Software.	N America	☐ (no)	
			European	☐ (no)	
			U.K. ACPO	☐ (no)	
			Aus/NZ	☐ (no)	
			China/H.K.	☐ (no)	
			Netherlands	☐ (no)	
			Switzerland	☐ (no)	
			France	☐ (no)	

S002↓02 Invalid Cards and PINs Detection Selections
Keypad Selections
(left to right on keypad screen) **N America Example:**

```
12·12·09·5·0·3·□
↓Save      S002↓02
```

Name	Selections	Description	Regional Settings Default	
Reset Timeout **NOTE:** The card feature is only available with the addition of the Feature Expansion Board.	Delay Table	The period of time required before there are no further invalid PIN/cards and an "Invalid PIN/Card Condition" resets.	N America	12 (2 min)
			European	14 (5 min)
			U.K. ACPO	14 (5 min)
			Aus/NZ	12 (2 min)
			China/H.K.	12 (2 min)
			Netherlands	14 (5 min)
			Switzerland	16 (15 min)
			France	14 (5 min)
Lockout Time **NOTE:** This feature is only available with the addition of the Feature Expansion Board.	Delay Table	The length of time a user is locked out of the system after X number of invalid PIN/Card tries are made, even if a valid try is made.	N America	12 (2 min)
			European	12 (2 min)
			U.K. ACPO	12 (2 min)
			Aus/NZ	12 (2 min)
			China/H.K.	12 (2 min)
			Netherlands	12 (2 min)
			Switzerland	20 (60 min)
			France	12 (2 min)
Maximum number of invalid cards **NOTE:** This feature is only available with the addition of the Feature Expansion Board.	00 = 1 invalid card, 01 = 2, 02 = 3, etc to 63 = 64	The amount of invalid cards used before an "Invalid card Condition" occurs.	N America	09
			European	09
			U.K. ACPO	09
			Aus/NZ	09
			China/H.K.	09
			Netherlands	09
			Switzerland	00
			France	09
Maximum number of invalid PINs	0 = 1 invalid PIN, 1 = 2, 2 = 3, 3 = 4, 5 = 6, 7 = 8	The amount of invalid PINs used before an "Invalid PIN Condition" occurs.	N America	5
			European	3
			U.K. ACPO	5
			Aus/NZ	5
			China/H.K.	5
			Netherlands	3
			Switzerland	4
			France	3
Invalid card detection type **NOTE:** This feature is only available with the addition of the Feature Expansion Board.	0 = invalid card detection is turned off, 1 = detect invalid cards, 2 = 1 + "high risk denied" cards, 3 = 1 & 2 + lower risk denied cards (all denied).	Invalid Card Examples: wrong version number, wrong site code, card not in database. High Risk Denied card examples: time expired; interlock violation, reader locked out, and no area authority. Low Risk Denied card examples: no area disarming authority, wrong class, timeouts, anti-passback violations.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Number of different users for global lockout **NOTE:** The Card feature is only available with the addition of the Feature Expansion Board.	0 = 4 different invalid users, 1 = 6, 2 = 8, 3 = 10.	Defines how many different users have to be individually in an invalid PIN or unauthorized card lockout condition before a global lockout will occur for all users.	N America	3
			European	0
			U.K. ACPO	3
			Aus/NZ	3
			China/H.K.	3
			Netherlands	0
			Switzerland	3
			France	0
Transmit global lockout alarm **NOTE:** This feature is only available with the addition of the Feature Expansion Board.	✓(yes) □ (no)	□ = invalid card and/or PIN cause local warning only. ✓ = local warning & reports to the monitoring station.	N America	□ (no)
			European	✓(yes)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	✓(yes)
			Switzerland	✓(yes)
			France	✓(yes)

S002↓03 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Point Reset Time	Delay table.	Delay time.	N America	10 (60sec)
			European	04 (5sec)
			U.K. ACPO	02 (2sec)
			Aus/NZ	02 (2sec)
			China/H.K.	10 (60sec)
			Netherlands	04 (5sec)
			Switzerland	04 (5sec)
			France	04 (5sec)
Language Set	0=Eng,Fre,Dut,Spa, 1=Eng,Slk,Slk,Slk, 2=Future, 3=Future	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Remote FW Down/Up Load	0 = Allowed, 1= Must be authorized		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Arming Rules	0 = Normal operation. Entry/Exit keypad standard tone. 1 = Disarm to off by token. Entry/Exit keypad standard tone. 2 = Constant keypad Entry/Exit tone 3 = Disarm to off by token. Constant keypad Entry/Exit tone.	Standard Tone = intermittent Entry/Exit tone, constant alarm tone. Constant Tone = constant Entry/Exit tone, intermittent alarm tone. **Standard keypad tones are reversed**.	N America	0
			European	0
			U.K. ACPO	3
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

S002↓04 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Keypad Lock Code		Equivalent of RF reader lock code for new RF keypads only.	_ _ _ _ _

S002↓05 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Dealer ID	0 – 65535	This setting is used with the "6 digit pin of the day" service PIN mode. Contact the monitoring station and provide them with this number to obtain the required PIN for the current day. While in this mode, any manually configured service PIN will be ignored. Related: "Service PIN Mode" is the 2nd field under S002:1.	_ _ _ _ _

S003↓00 Primary Card Format—Site Code Checking

WARNING: S003↓00 – S003↓05 Access Control related selections are only available with the addition of the "Feature Expansion Board".

Keypad Selections (left to right on keypad screen) **Example:**

```
□·06·10··········
↓Save    S003↓00
```

Name	Selections	Description	Regional Settings Default
Check for Site Code	✓(yes) □ (no)	Whether or not primary-format tokens must have a specific site code to be granted entry.	□ (no)
Site Code Position	1 – 40	The position of the 1st digit for the site/system code on these access tokens. Position value changes depending on site code length.	**06**
Site Code Length	1 – 16	The length of the site code for primary-format tokens (number of digits). Site code when represented as a digital #. Can not exceed 4 digits.	**10**

S003↓01 Primary Card Format—Site Codes
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
1st Site Code Value	0000 – 9999	The 1st of up to three site/system codes that can be encoded within access tokens to be used at the site.	**0000**
2nd Site Code Value	0000 – 9999	The 2nd of up to three site/system codes that can be encoded within the access tokens to be used at the site.	**0000**
3rd Site Code Value	0000 – 9999	The 3rd of up to three site/system codes that can be encoded within the access tokens to be used at the site.	**0000**

If site code checking is enabled for the primary card/token format cards encoded with any one of up to three site code values can be used at the site. (All other cards will be globally denied access.)

S003↓02 Primary Card Format—Version Number
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Check for Version No.	✓(yes) □ (no)	Whether or not primary-format tokens will be checked for a current version number.	□ (no)
Version No. Position	1 – 40	The position of the 1st digit for the version number on these access tokens.	**02**
Version No. Length	1 – 16	The length of the version number for primary-format tokens (number of digits).	**04**

This feature requires **V1.5** door/elevator controller firmware.

S003↓03 Primary Card Format—Basic Settings
Keypad Selections
(left to right on keypad screen) **Example:**

```
16·20·36·8·2·······
↓Save       S003↓03
```

Name	Selections	Description	Regional Settings Default
ID Number Position	01 – 40	The position of the 1st digit for the ID number on primary-format access tokens.	**16**

S003↓03 Keypad Selections

ID Number Length	01 – 32	The length of the card ID-number for primary-format tokens.	**20**
No. of Bits / Chars	01 – 40	The total number of bits (Wiegand) or characters (Magstripe) in the card data.	**36**
Bits per Character	01 – 08	The number of bits used to represent each character (for magnetic stripe cards).	**8**
Card/Token Format	0=none, 1=future (dallas), 2=Weigand, 3=Magstripe	The basic type of card or token associated with the primary card format settings.	**2**

32-Bit / 9-Digit Card IDs: This requires **V1.5** door/elevator controller firmware.

S003↓04 Odd Parity Information (Primary)
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Odd Parity Position	1 – 40	The position of the odd-parity 'checksum'.	**36**
Odd Parity Start	1 – 40	This is the position of the first data-bit to be included for odd-parity checking.	**18**
Odd Parity Length	0 – 40	If either the odd parity length = 0 or even parity length = 0, then parity will not be checked.	**18**

Odd/Even Parity checking: This feature (which applies only to Wiegand-format cards) helps prevent card misreads.
To disable parity checking: Set the 'Parity Length' to 0 (zero).

S003↓05 Primary Card Format—Even-Parity Checking
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Even Parity Position	1 – 40	The position of the even-parity 'checksum'.	**01**
Even Parity Start	1 – 40	This is the position of the first data-bit to be included for even-parity checking.	**02**
Even Parity Length	0 – 40	This is the number of bits to be included for even-parity checking. If either the odd parity length = 0 or even parity length = 0, then parity will not be checked.	**18**

Odd/Even Parity checking: This feature (which applies only to Wiegand-format cards) helps prevent card misreads.
To disable parity checking: Set the 'Parity Length' to 0 (zero).

S004↓00 Secondary Card Format—Site Code Checking

WARNING: S004↓00 – S004↓05 Access Control related selections are only available with the addition of the "Feature Expansion Board".

Keypad Selections
(left to right on keypad screen) **Example:**

```
□·02·08···········
↓Save     S004↓00
```

Name	Selections	Description	Regional Settings Default
Check for Site Code	✓(yes) □ (no)	Whether or not secondary-format tokens must have a specific site code to be granted entry.	□ (no)
Site Code Position	1 – 40	The position of the 1st digit for the site/system code on these access tokens. Position value changes depending on site code length.	**02** (U.K. ACPO = 03)
Site Code Length	1 – 16	The length of the site code for secondary-format tokens (number of digits).Site code when represented as a digital #. Can not exceed 4 digits.	**08** (U.K. ACPO = 04)

S004↓01 Secondary Card Format—Site Codes
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
1st Site Code Value	0000 – 9999	The 1st of up to three site/system codes that can be encoded within access tokens to be used at the site.	**0000**
2nd Site Code Value	0000 – 9999	The 2nd of up to three site/system codes that can be encoded within access tokens to be used at the site.	**0000**
3rd Site Code Value	0000 – 9999	The 3rd of up to three site/system codes that can be encoded within access tokens to be used at the site.	**0000**

If site code checking is enabled for a secondary card/token format, cards encoded with any one of up to three site code values can be used at the site. (All other cards will be globally denied access.)

S004↓02 Card Version-Information (Secondary)
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Check for Version No.	✓(yes) □ (no)	Whether or not secondary-format tokens will be checked for a current version number.	□ (no)
Version No. Position	1 – 40	The position of the 1st digit for the version number on these access tokens.	**02** (U.K. ACPO = 01)
Version No. Length	1 – 16	The length of the version number for secondary-format tokens (number of digits).	**04** (U.K. ACPO = 01)

This feature requires **V1.5** door/elevator controller firmware.

S004↓03 Secondary Card Format—Basic Settings
Keypad Selections

(left to right on keypad screen) **Example:**

```
10·16·26·8·2····
↓Save    S004↓03
```

Name	Selections	Description	Regional Settings Default
ID Number Position	1 – 40	The position of the 1st digit for the ID number on secondary-format access tokens.	**10** (U.K. ACPO = 07)
ID Number Length	1 – 32	The length of the card ID-number for secondary-format tokens.	**16** (U.K. ACPO = 06)
No. of Bits / Chars	1 – 40	The total number of bits (Wiegand) or characters (Magstripe) in the card data.	**26** (U.K. ACPO = 12)
Bits per Character	1 – 8	The number of bits used to represent each character (for magnetic stripe cards).	**8** (U.K. ACPO = 4)
Card/Token Format	0=none, 1=future (dallas), 2=weigand, 3=mag	The basic type of card or token associated with the secondary card format settings.	**2** (U.K. ACPO = 3)

32-Bit / 9-Digit Card IDs: This requires **V1.5** door/elevator controller firmware.

S004↓04 Secondary Card Format—Odd-Parity Checking
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Odd Parity Position	1 – 40	The position of the odd-parity 'checksum'.	**26** (U.K. ACPO = 00)
Odd Parity Start	1 – 40	This is the position of the first data-bit to be included for odd-parity checking.	**14** (U.K. ACPO = 00)
Odd Parity Length	0 – 40	If either the odd parity length = 0 or even parity length = 0, then parity will not be checked.	**12** (U.K. ACPO = 00)

Odd/Even Parity checking: This feature (which applies only to Wiegand-format cards) helps prevent card misreads.
To disable parity checking: Set the 'Parity Length' to 0 (zero).

S004↓05 Secondary Card Format—Even-Parity Checking
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Even Parity Position	1 – 40	The position of the even-parity 'checksum'.	**01** (U.K. ACPO = 00)
Even Parity Start	1 – 40	This is the position of the first data-bit to be included for even-parity checking.	**02** (U.K. ACPO = 00)
Even Parity Length	0 – 40	This is the number of bits to be included for even-parity checking.	**12** (U.K. ACPO = 00)

Odd/Even Parity checking: This feature (which applies only to Wiegand-format cards) helps prevent card misreads.
To disable parity checking: Set the 'Parity Length' to 0 (zero).

S005↓00 Dialer Selections
Keypad Selections
(left to right on keypad screen) **N America Example:**

```
000000·1·0·0·0□✓
↓Save      S005↓00
```

Name	Selections	Description	Regional Settings Default	
Dialer Account Number (Primary)	Enter the dialer account number.	The monitoring station receiver number that will identify the security system.	000000	
Telco Modem Type	1 = Bell 103 *, 2 = 8OP STU *, 3 = WWMODEM *, 4 = WWMODEM 8OP STU Enter the selection for the modem used. * Discontinued modems. This programming is available for previously installed versions.	STU = Subscriber Terminal Unit WW = World Wide	N America	1
			European	3
			U.K. ACPO	4
			Aus/NZ	4
			China/H.K.	3
			Netherlands	3
			Switzerland	3
			France	3
Telco Alarm Report Mode	0= not used, 1= primary, 2= backup, 3 = dual 4 = future	**NOTE:** Entering a "0" in an existing system will turn the dialer of and reset all messages in the system.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Telco Format	0 = SIA Level 2, 1 =CID, 2=SIA Level 3 (future), 3=Future		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
			France	✓(yes)

S005↓00 Keypad Selections

Telco Sequence	0: ULC 1: UL compatible 2: Long 3: MONITOR Standard (in Canada use **0** or **3**)	Call Sequence Details: (P = Primary phone # attempt; B = Backup phone # attempt) 0 (ULC): PPBBPPBB / delay 60 min / PPBBPPBB / delay 60 min / PPBBPPBB / delay 60 min / PPBBPPBB. 1 (UL): PPBBPPBBPB / delay 10 min. 2 (Long): PPPPBBBB / delay 10 min / PPPPBBBB / delay 30 min / PPPPBBBB / delay 60 min / PPPPBBBB / delay 2 hours / PPPPBBBB. 3 (MONITOR Standard): PPBP / delay 5 min / PPBP / delay 10 min / PPBP / delay 30 min / PPBP / delay 60 min / PPBP / delay 2 hours / PPBP.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Telco – prioritized reporting	✓(yes) ☐ (no)	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Telco – never allow blind dialing	✓(yes) ☐ (no)	Dials regardless of detecting a dial tone.	N America	✓(yes)
			European	✓(yes)
			U.K. ACPO	✓(yes)
			Aus/NZ	✓(yes)
			China/H.K.	✓(yes)
			Netherlands	✓(yes)
			Switzerland	✓(yes)

Telco = Telephone Company

S005↓01 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Primary Phone Number	(16 characters)	First Monitoring Station phone number the system will dial to transmit reports. The phone number can be preceded with **P** =pulse dialing (default), or **T** =Tone dialing, and can include **D** =2 sec Delay, **A** =Star key (tone dialing)**,** **#** = Pound Sign (tone dialing), and/or **W** = Wait for second dial tone. For **T**one dialing, ensure the phone line supports this.	**Blank**

S005↓02 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Secondary Phone Number	(16 characters)	Second Monitoring Station phone number the system will dial to transmit reports, if dialing the primary phone number is unsuccessful. The phone number can be preceded with **P** =pulse dialing (default), or **T** =Tone dialing, and can include **D** =2 sec Delay, **A** =Star key (tone dialing)**,** **#** = Pound Sign (tone dialing), and/or **W** = Wait for second dial tone. For **T**one dialing, ensure the phone line supports this.	**Blank**

S005↓03 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
010·□□·······
↓Save     S005↓03
```

Name	Selections	Description	Regional Settings Default	
Telco Country Code	001 = Argentina … 088 = Yemen.		N America	010
			European	023
			U.K. ACPO	085
			Aus/NZ	003
			China/H.K.	032
			Netherlands	023
			Switzerland	023
			France	023

Country Codes

Argentina	01	Czech Republic	16	Guam	31	Latvia	46	Pakistan	61	Spain	75
Aamenia	02	Denmark	17	Hong Kong	32	Lebanon	47	Peru	62	Sweden	76
Australia	03	Dubai	18	Hungary	33	Liechtenstein	48	Philippines	63	Switzerland	77
Austria	04	Egypt	19	Iceland	34	Luxembourg	49	Poland	64	Syria	78
Bahrain	05	El Salvador	20	India	35	Malaysia	50	Polynesia French	65	Taiwan	79
Belgium	06	Equador	21	Indonesia	36	Maldova	51	Portugal	66	Thailand	80
Brazil	07	Estonia	22	Ireland	37	Malta	52	Qatar	67	Tunisia	81
Brunei	08	European Union	23	Isreal	38	Martinique	53	Reunion	68	Turkey	82
Bulgaria	09	Finland	24	Italy	39	Mexico	54	Romania	69	Uae	83
Canada	10	France	25	Japan	40	Moroco	55	Russia	70	Ukraine	84
Chile	11	Georgia	26	Jordan	41	Netherlands	56	Saudi Arabia	71	United Kingdom	85
China	12	Germany	27	Kazahstan	42	New Zealand	57	Singapore	72	USA	86
Columbia	13	Great Britain	28	Korea	43	Nigeria	58	Slovakia	73	Venezuela	87
Croatia	14	Greece	29	Kyrgyzstan	44	Norway	59	South Africa	74	Yemen	88
Cyprus	15	Guadalupe	30	Kuwait	45	Oman	60				

Name	Selections	Description	Regional Settings Default	
Parallel STU 8OP Supports Line Fail	✓(yes) □ (no)	World Wide Modem with 8 outputs for Redcare connection monitors Redcare communication failure.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	✓(yes)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Parallel STU 8OP Line Fail Negative or Positive Polarity STU (Subscriber Terminal Unit)	✓(yes) □ (no)	World Wide Modem with 8 outputs for Redcare connection monitors Redcare positive or negative communication failure. □ (no) = Positive, ✓(yes) = Negative	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

S005↓04 Keypad Selections Dialer Dialer (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Dialer Account Number (Daytime)	**NOTE:** Programming selections whose boxes are grey are not available for this version.		**000000**
Dialer Daytime Schedule			**000**
Dialer Daytime Mode	0=Not used, 1=Primary out of schedule Daytime Schedule, 2/3=future		**0**

S005↓05 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Daytime Phone Number	(16 characters)	Daytime phone number the system will dial to transmit reports. The phone number can be preceded with **P** =pulse dialing (default), or **T** =Tone dialing, and can include **D** =2 sec Delay, **A** =Star key (tone dialing), **#** = Pound Sign (tone dialing), and/or **W** = Wait for second dial tone. For **T**one dialing, ensure the phone line supports this.	**Blank**

S005↓06 Keypad Selections Telco Modem Init String (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Telco Modem Init String	(16 characters)	NOTE: Programming selections whose boxes are grey are not available for this version.	**Blank**

Telco = Telephone Company

S005↓07 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
HSC-IP Account #	Enter the 6 digit account # that will identify this system when it transmits messages to the HSC-IP receiver.	This account number is also programmed into the HSC-IP receiver.	000000	
HSC Mode	0 = Not Used 1 = SIP1 and 2 2 = Not Used 3 = HSC POD (module) **For HSC-IP Enter "1"**	SIP = Security IP Receiver (HSC-IP) **NOTE:** SIP1 is not available with Regional Settings firmware v4.53 and greater. SIP1 is available with xL firmware v4.48. See SIP1 below. **NOTE:** HSC POD (High Security Communications) is a proprietary communications of CSG Security Inc. and not used in all markets.	N America	1
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
HSC Timeout	0 = 90sec, 1 = 3min, 2 = 5min, 3 = 10min **For HSC-IP leave defaulted to "0"**	Delay before a line failure occurs.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
HSC Full Report By Area	0 = full reporting always, 1 = use area emergency/full setting **Leave defaulted to "0"**		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
HSC-IP Baud Rate	0 = 150, 1 = 600, 2/3 = future **For HSC-IP leave defaulted to "0"**		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
HSC-IP Auto Set	0=manual settings, 1 = SIP (HSC-IP) receiver sets all variables **For HSC-IP leave defaulted to "0"**	Future Use	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

SIP1

- Security IP version 1 communications will only be available by using version 4.48 xL main control unit firmware.
- SIP version 2 or HSC-IP is available with version 4.53 xL main control unit firmware or greater.
- xL version 4.48 firmware can be obtained on the Director Software CD in "Director Setup\Flash".
- Once there has been a connection made between a main control unit that does not have version 4.48 firmware and the Director Software, the Flash Utility available in the Director Software can be used to Flash the main control unit with the version 4.48 firmware to make it SIP 1 compatible.
- Refer to the Director Software Guide or Director Software Online Help for "Flash Firmware" details.

S005↓08 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Paging Mode	0 = None 1 = Numeric SemaDigit w/ HS 2 = Blind SemaDigit 3 = SemaPhone (future)	Also see S001:06, 07	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Paging Output Data	✓(yes) ☐ (no)	Also see S001:06, 07 ☐ (no) On-board telco modem ✓(yes) Host port 56K modem	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

S005↓09 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Paging Phone Number	(16 characters)	Also see S001:06, 07 Paging phone number the system will dial to transmit reports. The phone number can be preceded with **P** =pulse dialing (default), or **T** =Tone dialing, and can include **D** =2 sec Delay, **A** =Star key (tone dialing)**, #** = Pound Sign (tone dialing), and/or **W** = Wait for second dial tone. For **T**one dialing, ensure the phone line supports this.	**Blank**

S005↓10 Keypad Selections
(left to right on keypad screen) **N. America Example:**

```
00000·0·0·0·0·0·
↓Save     S005↓10
```

Name	Selections	Description	Regional Settings Default	
Main Control Board Address (Panel Serial Number)	Up to 5 digits, 0 = Undefined, 1 – 65534 = Director software connection, 65535 = Special Debug Mode	This is the serial number of the main control board that is automatically assigned.	000000	
Main Control Board Connection Type	**For viewing only.** These selections are only done at the Director software and not entered here. They appear automatically in this selection when the software first communicates with the main controller board. 0: Direct-Cable 1: External Modem 2: Internal Modem – Bell 103 3: IP 4: WW 56K Modem 5: Internal World Wide Modem (2400 bps)	This specifies the type of connection to a Director software PC.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Main Control Board Reporting Mode	0: No Main Control Board reporting; 1: Blocks of 256 events; 2: Alarms (indiv. / small blocks)	Whether or not alarms or blocks of events will be auto-transmitted to the Director software. Available with xL using IP.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Main Control Board Shared phone line	0= Not shared, 1= Preemptive always, 2= User intervention required w/ time, 3= Timed		N America	0
			European	0
			U.K. ACPO	0

mode			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Main Control Board BaudRate	0=AutoMin(38K), 1= AutoMax (115K), 2=AutoMin (56K), 3=future		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Main Control Board Config Dial Out	0 = No config dial out, 1= internal config dial out, 2 = external config dial out, 3 = IP	Configurations dial out from main control board to Director software PC. Internal: main control board plug in modem. External: external modem	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

S005↓11 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Director Software Configurations Phone Number	(16 characters)	Configurations phone number the system will dial to contact the Director software PC and transmit system programming. The phone number can be preceded with **P** =pulse dialing (default), or **T** =Tone dialing, and can include **D** =2 sec Delay, **A** =Star key (tone dialing), **#** = Pound Sign (tone dialing), and/or **W** = Wait for second dial tone. For **T**one dialing, ensure the phone line supports this.	**Blank**

S005↓12 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Main Control Board Phone Number	(16 characters)	The phone number can be preceded with **P** =pulse dialing (default), or **T** =Tone dialing, and can include **D** =2 sec Delay, **A** =Star key (tone dialing), **#** = Pound Sign (tone dialing), and/or **W** = Wait for second dial tone. For **T**one dialing, ensure the phone line supports this.	**Blank**

S005↓13 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Main Control Board Modem Init String	(16 characters)		**Blank**

S005↓14 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
04·0·0·✓□·······
↓Save    S005↓14
```

Name	Selections	Description	Regional Settings Default	
Main Control Board Number of Rings to Answer	01 = 1 Ring, 02 = 2 Rings…14 = 14 Rings, 15 = No Answer	Used with North American or World Wide Modems.	N America	04
			European	04
			U.K. ACPO	02
			Aus/NZ	14
			China/H.K.	04
			Netherlands	04
			Switzerland	04
			France	04
Suite Security Telco Mode **NOTE:** This feature is only available with the addition of the Director Software and	0 = report by area, 1 = report by DigitalAccountID + offset	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0

			Netherlands	0
Feature Expansion Board.			Switzerland	0
			France	0
Suite Security Telco Reporting **NOTE:** This feature is only available with the addition of the Director Software and Feature Expansion Board.	0=None, 1=Condos report alarms etc. over telco dialer		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Main Control Board Answering Machine Defeat	✓(yes) ☐ (no)	Used with North American or World Wide Modems.	N America	✓(yes)
			European	✓(yes)
			U.K. ACPO	✓(yes)
			Aus/NZ	✓(yes)
			China/H.K.	✓(yes)
			Netherlands	✓(yes)
			Switzerland	✓(yes)
			France	✓(yes)
Main Control Board Config Callback Only	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

Telco = Telephone Company

S005↓15 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
0·00·00·00·00·0·
↓Save    S005↓15
```

Name	Selections	Description	Regional Settings Default	
Telco Comms Test Mode	0=fixed, 1=variable based on backup, 2=variable based on any area out, 3=Daytime Schedule	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Telco Normal Comms Test Delay	18: Delay_30MIN 20: Delay_60MIN 22: Delay_02HRS 23: Delay_04HRS 24: Delay_06HRS 25: Delay_08HRS 27: Delay_12HRS 30: Delay_01DAY 31: Delay_07DAY Other values are not valid.		N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Telco Backup Comms Test Delay	Delay table	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00

S005↓15 Keypad Selections

Telco Comms Test Hour	00 = midnight	The time (hour) for communications tests to occur.	N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Telco Comms Test Minute	0-59	The time (min.) for comms tests to occur.	N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Telco Comms Test Day	0=Sun …	The day for weekly comms tests to occur.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

Telco = Telephone Company

S006↓00-09 Ten FallBack Users Keypad Selections (left to right on keypad screen)
Maximum 10 Fallback Users. Maximum 5 digits. 00000 = None, 00001-64000.

Refer to S001↓00, 7th selection to enable 10 Fallback Users.

Regional Setting	Default Fallback User #	Regional Setting	Default Fallback User #
N America Australia/NZ	**S006↓00** = 00000 **S006↓01** = 00000 **S006↓02** = 00000 **S006↓03** = 00000 **S006↓04** = 00000 **S006↓05** = 00000 **S006↓06** = 00000 **S006↓07** = 00000 **S006↓08** = 00000 **S006↓09** = 00000	European U.K. ACPO China/H.K. Netherlands Switzerland France	**S006↓00** = 00001 **S006↓01** = 00002 **S006↓02** = 00003 **S006↓03** = 00004 **S006↓04** = 00005 **S006↓05** = 00006 **S006↓06** = 00007 **S006↓07** = 00008 **S006↓08** = 00009 **S006↓09** = 00010

Custom Circuit Types S007↓00, 04, 08, 12 Circuit Name
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Circuit Type	0 =Custom Type 1 = Normally Closed 2 = Normally Open 3 = Normally Closed Single Series EOL 4 = Normally Closed Single Parallel EOL 5 = Normally Open Single Series EOL 6 = Normally Open Single Parallel EOL 7 = Normally Closed Dual Type 1 EOL 8 = Normally Closed Dual Type 2 EOL 9 = Normally Open Dual Type 1 EOL 10 = Normally Open Dual Type 2 EOL		0
Circuit Band Name	(16 characters)		Blank

S007↓01, 05, 09, 13 Circuit Band Definitions (Custom Resistor Values)
Keypad Selections
(left to right on keypad screen) **N America Example:**

```
0·1·1·1·1·········
↓Save    S007↓01
```

Name	Selections	Description
Band 1	0=Normal, 1=Alarm, 2=Tamper, 3=unused	
Band 2	0=Normal, 1=Alarm, 2=Tamper, 3=unused	
Band 3	0=Normal, 1=Alarm, 2=Tamper, 3=unused	
Band 4	0=Normal, 1=Alarm, 2=Tamper, 3=unused	
Band 5	0=Normal, 1=Alarm, 2=Tamper, 3=unused	

S007↓02, 06, 10, 14 Circuit Band Thresholds-1

Name	Selections	Description
Threshold 1	Split between band 1 and 2	
Threshold 2	Split between band 2 and 3	

S007↓03, 07, 11, 15 Circuit Band Thresholds-2

Name	Selections	Description
Threshold 3	Split between band 3 and 4	
Threshold 4	Split between band 4 and 5	

Default Circuit Values

Regional Setting Default	Type # and Name	Bands	Thresholds	
N America	**S007↓00:** 01, NC	**S007↓01:** 0 1 1 1 1	**S007↓02:** 0132 1013	**S007↓03:** 1013 1013
	S007↓04: 03, NC SERIES2K2	**S007↓05:** 2 0 1 1 1	**S007↓06:** 0298 0457	**S007↓07:** 1013 1013
	S007↓08: 06, NO PARALL2K2	**S007↓09:** 1 0 2 2 2	**S007↓10:** 0298 0457	**S007↓11:** 1013 1013
	S007↓12: 08, DUAL 2K2 EOL	**S007↓13:** 2 0 1 2 2	**S007↓14:** 0170 0322	**S007↓15:** 0457 1013
European	**S007↓00:** 02, NO	**S007↓01:** 1 0 0 0 0	**S007↓02:** 0839 1013	**S007↓03:** 1013 1013
	S007↓04: 08, 2K-ALM 1K-OK	**S007↓05:** 2 0 1 2 2	**S007↓06:** 0113 0307	**S007↓07:** 0436 1013
	S007↓08: 08, TYPE2 2K2EOL	**S007↓09:** 2 0 1 2 2	**S007↓10:** 0170 0322	**S007↓11:** 0457 1013
	S007↓12: 08, TYPE2 8K2EOL	**S007↓13:** 2 0 1 2 2	**S007↓14:** 0508 0619	**S007↓15:** 0815 1013
U.K. ACPO	**S007↓00:** 02, NO	**S007↓01:** 1 0 0 0 0	**S007↓02:** 0839 1013	**S007↓03:** 1013 1013
	S007↓04: 08, 2K-ALM 1K-OK	**S007↓05:** 2 0 1 2 2	**S007↓06:** 0113 0307	**S007↓07:** 0436 1013
	S007↓08: 08, TYPE2 2K2EOL	**S007↓09:** 2 0 1 2 2	**S007↓10:** 0170 0322	**S007↓11:** 0457 1013
	S007↓12: 08, TYPE2 8K2EOL	**S007↓13:** 2 0 1 2 2	**S007↓14:** 0508 0619	**S007↓15:** 0815 1013
Aus/NZ	**S007↓00:** 01, NC	**S007↓01:** 0 1 1 1 1	**S007↓02:** 0132 1013	**S007↓03:** 1013 1013
	S007↓04: 03, NC SERIES2K2	**S007↓05:** 2 0 1 1 1	**S007↓06:** 0298 0457	**S007↓07:** 1013 1013
	S007↓08: 06, NO PARALL2K2	**S007↓09:** 1 0 2 2 2	**S007↓10:** 0298 0457	**S007↓11:** 1013 1013
	S007↓12: 07, DUAL 2K2 EOL	**S007↓13:** 2 0 1 2 2	**S007↓14:** 0170 0322	**S007↓15:** 0457 1013
China/H.K.	**S007↓00:** 02, NO	**S007↓01:** 1 0 0 0 0	**S007↓02:** 0839 1013	**S007↓03:** 1013 1013
	S007↓04: 08, 2K-ALM 1K-OK	**S007↓05:** 2 0 1 2 2	**S007↓06:** 0113 0307	**S007↓07:** 0436 1013
	S007↓08: 08, TYPE2 2K2EOL	**S007↓09:** 2 0 1 2 2	**S007↓10:** 0170 0322	**S007↓11:** 0457 1013
	S007↓12: 08, TYPE2 8K2EOL	**S007↓13:** 2 0 1 2 2	**S007↓14:** 0508 0619	**S007↓15:** 0815 1013
Netherlands	**S007↓00:** 02, NO	**S007↓01:** 1 0 0 0 0	**S007↓02:** 0839 1013	**S007↓03:** 1013 1013
	S007↓04: 08, 2K-ALM 1K-OK	**S007↓05:** 2 0 1 2 2	**S007↓06:** 0113 0307	**S007↓07:** 0436 1013
	S007↓08: 08, TYPE2 2K2EOL	**S007↓09:** 2 0 1 2 2	**S007↓10:** 0170 0322	**S007↓11:** 0457 1013
	S007↓12: 08, TYPE2 8K2EOL	**S007↓13:** 2 0 1 2 2	**S007↓14:** 0508 0619	**S007↓15:** 0815 1013
Switzerland	**S007↓00:** 02, NO	**S007↓01:** 1 0 0 0 0	**S007↓02:** 0839 1013	**S007↓03:** 1013 1013
	S007↓04: 08, 2K-ALM 1K-OK	**S007↓05:** 2 0 1 2 2	**S007↓06:** 0113 0307	**S007↓07:** 0436 1013
	S007↓08: 08, TYPE2 2K2EOL	**S007↓09:** 2 0 1 2 2	**S007↓10:** 0170 0322	**S007↓11:** 0457 1013
	S007↓12: 08, TYPE2 8K2EOL	**S007↓13:** 2 0 1 2 2	**S007↓14:** 0508 0619	**S007↓15:** 0815 1013
France	**S007↓00:** 02, NO	**S007↓01:** 1 0 0 0 0	**S007↓02:** 0839 1013	**S007↓03:** 1013 1013
	S007↓04: 08, 2K-ALM 1K-OK	**S007↓05:** 2 0 1 2 2	**S007↓06:** 0113 0307	**S007↓07:** 0436 1013
	S007↓08: 08, TYPE2 2K2EOL	**S007↓09:** 2 0 1 2 2	**S007↓10:** 0170 0322	**S007↓11:** 0457 1013
	S007↓12: 08, TYPE2 8K2EOL	**S007↓13:** 2 0 1 2 2	**S007↓14:** 0508 0619	**S007↓15:** 0815 1013

S008↓00 – 19 Custom Dialer Message (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Message Type		NOTE: Programming selections whose boxes are grey are not available for this version.	N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Custom Message	(16 characters) SIA uses 1st 5 characters, CID uses last 7 characters		N America	Blank
			European	Blank
			U.K. ACPO	Blank
			Aus/NZ	Blank
			China/H.K.	Blank
			Netherlands	Blank
			Switzerland	Blank
			France	Blank

Program Section: A001 (Areas)

A0xx↓00 Keypad Selections Area   NOTE: "xx" represents the area number.
(left to right on keypad screen) **N America Example:**

```
✓·OFFICE
↓Save      A001↓00
```

Name	Selections	Description	Regional Settings Default	
Enable this Area	✓(yes) ☐ (no)	Whether or not this Area is defined. Area 1 is enabled by default, and cannot be deleted.	✓(yes)	
Area Name	(12 characters)	Customize the same as the "Welcome" message.	N America	OFFICE
			European	AREA DESCRIP
			U.K. ACPO	AREA DESCRIP
			Aus/NZ	OFFICE
			China/H.K.	AREA DESCRIP
			Netherlands	AREA DESCRIP
			Switzerland	AREA DESCRIP
			France	AREA DESCRIP

A0xx↓01 Keypad Selections   NOTE: "xx" represents the area number.
(left to right on keypad screen) **N America Example:**

```
09·10·13·0·☐☐✓☐☐
↓Save      A001↓01
```

Name	Selections	Description	Regional Settings Default	
Entry Delay	Delay Table	The time permitted to disarm the area after an entry door has been opened.	N America	09 (45 sec)
			European	08 (30 sec)
			U.K. ACPO	08 (30 sec)
			Aus/NZ	09 (45 sec)
			China/H.K.	08 (30 sec)
			Netherlands	08 (30 sec)
			Switzerland	08 (30 sec)
			France	08 (30 sec)
Exit Delay	Delay Table	The time permitted to arm the area and exit.	N America	10 (60 sec)
			European	09 (45 sec)
			U.K. ACPO	10 (60 sec)
			Aus/NZ	10 (60 sec)
			China/H.K.	09 (40 sec)
			Netherlands	09 (45 sec)
			Switzerland	09 (45 sec)
			France	09 (45 sec)

A0xx↓01 Keypad Selections

Garage Delay	Delay Table	An additional delay to arm or disarm a main area and have adequate time to enter or exit a protected garage.	N America	13 (3 min)
			European	13 (3 min)
			U.K. ACPO	13 (3 min)
			Aus/NZ	13 (3 min)
			China/H.K.	13 (3 min)
			Netherlands	13 (3 min)
			Switzerland	13 (3 min)
			France	13 (3 min)
Fail to Exit Mode	0=Door close 1=Push button 2 = Door or push button 3 = None		N America	0
			European	2
			U.K. ACPO	1
			Aus/NZ	3
			China/H.K.	2
			Netherlands	2
			Switzerland	2
			France	2
Stay on Fail to Exit	✓(yes) ☐ (no)	The area will automatically switch to 'Stay' mode if the user fails to exit after arming the area (i.e., if a door is not opened).	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Alarm on Fail to Exit	✓(yes) ☐ (no)	An alarm will be transmitted if the user fails to exit after arming the area (i.e., if a door is not opened).	N America	☐ (no)
			European	✓(yes)
			U.K. ACPO	✓(yes)
			Aus/NZ	☐ (no)
			China/H.K.	✓(yes)
			Netherlands	✓(yes)
			Switzerland	✓(yes)
			France	✓(yes)
Terminate Exit Delay (Confirm Exit Delay)	✓(yes) ☐ (no)	The 'exit delay' will be reduced when the door closes after the user arms the area and exits.	N America	✓(yes)
			European	✓(yes)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	✓(yes)
			Netherlands	✓(yes)
			Switzerland	✓(yes)
			France	✓(yes)
Transmit Fail to Close	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Extend Exit-delay on Fail to Exit	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	✓(yes)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

A0xx↓02 Keypad Selections
NOTE: "xx" represents the area number.
(left to right on keypad screen) **N America Example:**

```
┌─────────────────────────┐
│ 0·2·0·0·□□□□□ ···       │
│ ↓Save      A001↓02      │
└─────────────────────────┘
```

Name	Selections	Description	Regional Settings Default	
Exit Delay Warning Type	0 = Normal, 1= Warning tones during Exit Delay, 2= Warning tones continuous 3= Warning tones continuous + Blocked arming		N America	0
			European	3
			U.K. ACPO	3
			Aus/NZ	0
			China/H.K.	3
			Netherlands	3
			Switzerland	3
			France	3
Pre-Alarm Delay	0=20sec; 1=30s; 2=60s; 3=5min; 4=10m; 5=30m; 6=1hr; 7=1.5hrs	During the delay, keypad sonalert(s) will be sounded, giving an authorized user time to "Silence" the alarm at a keypad. (Selecting "Verify User" will cancel the alarm transmission.) **NOTE:** This setting works only with sensors (input-points) that support "Pre-Alarm Warning". For details, refer to "T080 – T099 (Custom Input-Point Types)".	N America	2
			European	2
			U.K. ACPO	2
			Aus/NZ	2
			China/H.K.	2
			Netherlands	2
			Switzerland	2
			France	2
Report Mode	0 = Emergency 1= Full Reporting	System signals transmitted by system dialer to monitoring station.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	1
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Siren Squawk on Arming	0 = Normal, 1=On Arming, 2 = Fail to Arm, 3 = On Arming Or Fail to Arm	The 'siren' outputs for this area will be pulsed briefly when the area is armed to indicate arming was successful.	N America	0
			European	2
			U.K. ACPO	2
			Aus/NZ	0
			China/H.K.	2
			Netherlands	2
			Switzerland	2
			France	2
Function Key PIN Required	✓(yes) □ (no)	Whether a user with "Function Key" authority will need to log in to use programmable function-keys 6 – 9 & 0.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Dual Custody	✓(yes) □ (no)	Two valid user ID / PINs needed to <u>disarm</u> this area.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

A0xx↓02 Keypad Selections

Open Inter-lock Area	✓(yes) □ (no)	For all areas set to Yes, only one area can be disarmed at a time.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Auto Arm on Door Close	✓(yes) □ (no)	Area will arm when any door closes (used with a bank vault door).	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Suite Security Area	✓(yes) □ (no)	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

A0xx↓03 Area Schedule Selections   NOTE: "xx" represents the area number.

Keypad Selections
(left to right on keypad screen) **N America Example:**

```
000·0·0·0·□□□□□·
↓Save      A001↓03
```

Name	Selections	Description	Regional Settings Default	
Area Schedule	00 = none, 01-250 = schedule #	The schedule used to automate this area and enable all scheduling features (if applicable).	N America	000
			European	000
			U.K. ACPO	000
			Aus/NZ	000
			China/H.K.	000
			Netherlands	000
			Switzerland	000
			France	000
Out of Schedule Open	0 = 30min, 1 = 2-hours 2 = Unlimited	Allowed duration for Disarming outside of schedule.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
In Schedule Open	0 = 30min, 1 = 2-hours 2 = Unlimited	Allowed duration for Disarming within the schedule.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Work Late Time Extension	0=30 min, 1=1hr, 2=1.5hr, 3=2hr, 4=3hr, 5=4hr, 6=6hr, 7=8hr	The duration that the scheduled closing time will be extended when a work-late button is pressed at an e.g. area's keypad.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Limit to Midnight	✓(yes) □ (no)	Limit 'work-late' to not extend beyond midnight.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Transmit Fail to Close	✓(yes) □ (no)	If an area is not armed at the end of its schedule, a fail to close is transmitted to the monitoring station.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Auto Arm on Fail to Close	✓(yes) □ (no)	'Stay-on-fail-to-exit' and 'AutoArm-on-fail-to-close' cannot be ✓(yes) simultaneously.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)

			France	□ (no)
Allow Un-authorized Open	✓ (yes) □ (no)	Authority needed to disarm after-hours. Whether or not users **without** '24-hr' authority will be able to disarm this area outside of **its** open/close schedule, and/or adjust the area closing time (i.e., 'worklate') after **their** schedule has expired. (For a non-scheduled area, this feature does not apply, since only 'Disarm' authority would be required.)	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Auto Disarm to Off Always	✓ (yes) □ (no)		N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

A0xx↓04 Automation
Keypad Selections   (left to right on keypad screen)
NOTE: "xx" represents the area number.

Name	Selections	Description	Regional Settings Default	
Automatic Stay-Mode Schedule #	00 = none, 01-250 = schedule #		N America	000
			European	000
			U.K. ACPO	000
			Aus/NZ	000
			China/H.K.	000
			Netherlands	000
			Switzerland	000
			France	000
Automatic Stay-Mode	0 = None 1 = Standard 'Auto Stay Mode' (Non-secure) 2 = Secure 'Auto Stay Mode' (Requires Area On before next automatic Stay To Off)		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Auto Disarm on Valid Token In Area Schedule **NOTE:** This feature is only available with the addition of the Feature Expansion Board.	0 = None, 1 = Follow user authority 2 = Force to Stay 3 = Force to Off	The area will automatically disarm when a user/entrant is granted access in the area schedule.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Auto Disarm on Valid Token Out of Area Schedule **NOTE:** This feature is only available with the addition of the Feature Expansion Board.	0 = None, 1 = Follow user authority 2 = Force to Stay 3 = Force to Off	The area will automatically disarm when a user/entrant is granted access out of the area schedule.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

A0xx↓05 Keypad Selections   "xx" represents the area number.
WARNING: These Access Control features are only available with the addition of the "Feature Expansion Board".
(left to right on keypad screen) **N America Example:**

```
0·☐☐☐☐ ···········
↓Save      A001↓05
```

Name	Selections	Description	Regional Settings Default	
Anti-Pass Back Auto Reset	0 = No autoreset 1 = 10 Mins 2 = 20 Mins 3 = 30 Mins 4 = 1 Hr 5 = 4 Hrs 6 = 8 Hrs 7 = 12 Hrs	Timed lock out condition for a card holder resets after they failed to read their card to enter/leave previously.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Strict Anti-Pass Back Entry/Exit Enforcement	✓(yes) ☐ (no)	Whether users will be able to enter other areas without having been recorded as leaving the present one.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
No Anti-Pass Back Outside Check	✓(yes) ☐ (no)	Allows users who didn't 'badge' out of the facility to re-enter through an APB controlled area. With this setting, cards being used to enter from 'outside' of the facility will not be checked for being previously used to exit (although other APB rules will still apply). **NOTE**: Cannot be their last known area (to allow this, set APB auto-reset to e.g. 8 hrs).	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Lockout all Users on Invalid Card	✓(yes) ☐ (no)	✓(yes) Lockout all users, even when access is granted (in case of global lockout)	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Generate Tones on Invalid Card	✓(yes) ☐ (no)	Keypads sound when an invalid card is detected.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

A0xx↓06 Area User Counters

Keypad Selections "xx" represents the area number.
WARNING: These Access Control features are only available with the addition of the "Feature Expansion Board".
(left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Maximum Area Counter	0 – 16383	Maximum number of users counted in an area before an "area full" condition occurs.	N America	00000
			European	00000
			U.K. ACPO	00000
			Aus/NZ	00000
			China/H.K.	00000
			Netherlands	00000
			Switzerland	00000
			France	00000
Minimum Area Counter	0 – 15	Minimum number of users counted in an area before an "area empty" condition occurs.	N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Reset Before Schedule in Effect	1 – 7 0 = Not used, 1 = 1hr prior... 2 = 2hr prior.. 3 = 3hr prior. 4 = 4hr prior. 5 = 5hr prior. 6 = 6hr prior. 7 =7 hrs prior to In Schedule Time	User count resets to "0" at the time selected before the area's schedule starts. **NOTE:** there must be a schedule assigned to the area.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
"Users in Area" Counts Increase or Decrease (Count Mode)	0 = "Normal": the user count for the area being entered will increase and the area being exited will be decreased. 1 = "User Area Based": the user count for the area being entered will increase and the last known area the user was in will be decreased. 2= Blind mode	Selection "1" **NOTE:** If "Timed Anti-pass Back" is selected and the timer expires, information about the area the user was last in will not exist. The user count for the area they just came from will be decreased.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Reset On Disarm To Off	✓(yes) □ (no)	User count resets to "0" when the area is turned off.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Reset On Arm To On	✓(yes) □ (no)	User count resets to "0" when the area is turned on.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

A0xx↓07 Automatic Arming   NOTE: "xx" represents the area number.

Keypad Selections
(left to right on keypad screen) **N America Example:**

```
01·0·0·1·□·········
↓Save      A001↓07
```

Name	Selections	Description	Regional Settings Default	
Extended Automatic Arming Delay	Delay Table	Safety margin delay before auto arming begins.	N America	01 (1 sec)
			European	00
			U.K. ACPO	01 (1 sec)
			Aus/NZ	01 (1 sec)
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Extended Automatic Arming Mode	0 – 7 0=Disable 1=Arm if Count <= Min, 2=Arm if Inactive, 3=When Count<=Min OR Inactive, 4=When Count <= Min AND Inactive, 5,6,7 spare	Automatically arms an area based on counting users and/or "area activity monitoring".	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

Extended Automatic Arming Warning Level
(Warning level when arming)
	0 – 3
	0=Ignore,
	1=Warn if users possibly left in area at time of arming,
	2=Block manually arming warn for auto arming, if users left in.
	3=Block all types of arming (manual or auto)
		1 = e.g. user count was not least # at arming.
		2 = e.g. by schedules or other automated arming.
			N America	0

			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Extended Automatic Arming Level	0 = (Arm to Stay) 1 = (Arm to On)	Effective if "Extended Auto Arm Mode" has an active setting.	N America	1
			European	1
			U.K. ACPO	1
			Aus/NZ	1
			China/H.K.	1
			Netherlands	1
			Switzerland	1
			France	1
Extended Automatic Arming Only if Schedule Not in Effect	□ (no) Both in and out of schedule. ✓(yes) Extended automatic arming when out of schedule.	**NOTE:** These selections apply if "Extended Auto Arm Mode" is enabled and there is an area schedule.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

A0xx↓08 Keypad Selections (left to right on keypad screen)
NOTE: "xx" represents the area number.
NOTE: Programming selections whose boxes are grey are not available for this version.

Name	Selections	Description	Regional Settings Default	
Activity Timeout	Delay Table	Time permitted after specific sensors in an area do not detect any activity and area is e.g. auto armed. Delay re-starts if activity is detected. Sensor Activity Detection Types: Entry/Exit, FAP motion sensors, door contacts, "Activity" Custom Point Types – see Custom Point programming section, Command Point – see Custom Point programming section.	N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Include E/E Route FAP	✓(yes) ☐ (no)	Whether Entry/Exit Route & Entry/Exit Route FAP sensors are used to detect area activity. FAP – False Alarm Preventer point type.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Include Doors	✓(yes) ☐ (no)	Doors are used to detect area activity.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Alarm On No Activity	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

A0xx↓09 "Common to Area" Map
Keypad Selections (left to right on keypad screen)   NOTE: "xx" represents the area number.

Name	Selections	Description	Regional Settings Default
Area 1 to Area 16	✓(yes) ☐ (no)	Auto arm /disarm shared areas. E.g. Office area and warehouse area with adjoining lunch room area. – Lunch room is auto armed when BOTH office and warehouse are armed. – Lunch room is auto disarmed when EITHER office or warehouse is disarmed. Cannot select current area.	☐ (no) All Areas

A0xx↓10 "Area Priority" Map
Keypad Selections (left to right on keypad screen)   NOTE: "xx" represents the area number.

Name	Selections	Description	Regional Settings Default
Area 1 to Area 16	✓(yes) ☐ (no)	Determines the sequence that areas must follow when being armed / disarmed. E.g. bank premises area with vault area. – When arming, the premises can not be armed UNLESS the vault area is armed first. – When disarming, the vault area can not be disarmed unless the premises area is disarmed first.	☐ (no) All Areas

A0xx↓11 Keypad Selections   NOTE: "xx" represents the area number.
(left to right on keypad screen) **N America Example:**

```
00·00·0·0··········
↓Save      A001↓11
```

Name	Selections	Description	Regional Settings Default	
Arming Priority	00= No priority checking 01 = 1st to arm, 15 = last to arm	Areas are armed in order of 1st, 2nd and 3rd etc. according to their priority.	N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Disarming Priority	00 = No priority checking 01 = 1st to disarm, 15 = last to disarm	Areas are disarmed in order of 1st, 2nd and 3rd etc. according to their priority.	N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Arming Rules	0 = Common area never auto armed, manual only 1 = Common area auto armed if all shared areas armed, 2 = Common area auto armed if any shared area armed, 3 = All Shared areas Auto armed if common area armed		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Disarming Rules	0 = Common area never auto disarmed, manual only 1 = Common area auto disarmed if any shared area disarmed 2 = Common area auto disarmed if all shared areas disarmed 3 = All shared areas auto disarmed if common area disarmed		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

Program Section: M001 (Modules)

M0xx↓00 Keypad Selections   NOTE: "xx" represents the module number: 01 – 24.

(left to right on keypad screen) **N America Example:**

```
00000·01·2·1·1·✓ ✓
↓Save    ↓?M001↓00
```

Pressing the keypad button under **↓?** will display the type of module and the module's input and output ranges.

Name	Selections	Description	Regional Settings Default
Serial Number	00000 - 65535	5 digit # on sticker on module circuit board.	**00000**
Area	01 – 16	Module assigned to which area? 2 Digits 01 – 16 = Area #	**01**
Inputs	0 = 0, 1 = 4, 2 = 8, 3 = 12, 4 = 16, 5 = 20, 6 = 24, 7 = 32	The number of input points (sensors) supported by the module. Default for Area 1: 4, Default for Area 2: 1	**2**
Outputs	0 = 00, 1 = 04, 2 = 08, 3 = 12, 4 = 16, 5 = 20, 6 = 24, 7 = 32	The number of programmable outputs supported by the module. Default for Area 1: 1, Default for Area 2: 1	**1**
Exit Delay	0 = Never. 1 = When arming to Stay or On *2 = Not used 3 = When arming to On	If the keypad has the Exit delay set to 1, this means that the keypad would be protected when the area goes into **Stay 1**, **2** or **On**. An exit delay occurs and, if Alarm on Fail to Exit is set in the area configuration, the system must see a door transition otherwise a Fail to Exit will result. Of course this would be an internal door whose level is set to 1 or 2 or 3. If the keypad is outside the protected area, the Exit delay is set to 0. When arming the area, the UI would not be affected.	**1**
Entry/Exit Tones in Stay	✓(yes) ☐ (no)	Are E/E tones to sound at this (keypad) if a door opened with area armed to 'Stay'.	✓(yes)
Monitor Tamper	✓(yes) ☐ (no)	NOTE: ✓(yes) if module requires tamper, comms, substitution detection	✓(yes)

(Definitions): <u>St</u>ay: Perimeter sensors monitored (plus any 24 hr sensors); <u>On</u>: All sensors monitored.

Keypad NOTES
- If the keypad module has the Exit delay set to 1, this means that the keypad would be protected when the area goes into **Stay** or **On**. An exit delay occurs and, if Alarm on Fail to Exit is enabled in the Area Program Section: **A0xx↓01**, the system must see a door transition otherwise a Fail to Exit Alarm will result. This would be an Entry/Exit door whose protection level is set to **Stay** or **On**.
- If the keypad module is outside the protected area, the Exit delay is set to 0. When arming the area, Alarm on Fail to Exit would not apply.

M0xx↓01 Keypad Selections

NOTE: "xx" represents the module number.

(left to right on keypad screen) **N America Example:**

```
24·0·0·0·0·2·✓
↓Save   ↓? M001↓01
```

Name	Selections	Description	Regional Settings Default	
Module Type (number)	See Module Selection Numbers after these selections.		N America	24
			European	24
			U.K. ACPO	24
			Aus/NZ	24
			China/H.K.	24
			Netherlands	24
			Switzerland	24
			France	24
LCD Keypad Default Display Mode	0=Rolling time, date/Message 1=Date only 2=future 3=future		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
LCD Keypad Armed LED Display	0=Arming state always shown 1=Timed 2=future 3=future		N America	0
			European	1
			U.K. ACPO	1
			Aus/NZ	0
			China/H.K.	1
			Netherlands	1
			Switzerland	1
			France	1
LCD Keypad Arming Tone Mode	0=All E/E tones 1=No Exit tone 2=No Entry 3=No E/E Tones		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
LCD Keypad Auto Disarm All On Silence	0=None 1=silence all User Areas 2=Disarm 3=Silence and disarm		N America	0
			European	1
			U.K. ACPO	1
			Aus/NZ	0
			China/H.K.	1
			Netherlands	1
			Switzerland	1
			France	1
LCD Keypad Verify User Mode	0=None 1=Auto Verify on Silence 2=Manual Verify 3=future		N America	2
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
LCD Keypad Multi-Badge Mode	✓(yes) ☐ (no)	For keypad modules with external readers only. Yes = triple badge mode No = double badge mode	N America	✓(yes)
			European	✓(yes)
			U.K. ACPO	✓(yes)
			Aus/NZ	✓(yes)
			China/H.K.	✓(yes)
			Netherlands	✓(yes)
			Switzerland	✓(yes)
			France	✓(yes)

Module Selection Numbers

1 = Map Pod, 2 = Fx LCD, 3 = Other, 4 = V1 Access, 5 = V1 Wireless, 7 = ISM LCD*, 8 = ISM Input/Output, 9 = PDC, 10 = *HSC, 11 = Suite Security 8 zone, 12 = TDC, 14 = V2 Access, 15 = Elevator, 16 = Suite Security 2 zone, 17 = V2 Wireless (FA400), 18 = MF-FA Wireless, 19 = ITI SuperBus Wireless, 20 = IPlus, 21 = C2000, 22 = Inova PointMux, 23 = standard xL LCD, 24 = xL LCD GProxII (keypad reader), 25 = xL LCD (external reader), 29 = xL Input/Output, 32 = xL Power Supply, 33 = Wireless 868+900, 34 = Smart/Vigil, 35 = Wireless 868+900+(Australia), 36 = 2050 MIL250 9600 baud only, 37 = 2050 DC, 38 = 2050 IO16, 39 = 2050 I32, 40 = 2050 O32.

***NOTE:** Regional Settings does not support Monitor ISM.

*HSC (High Security Communications) is a proprietary communications of CSG Security Inc. and not used in all markets.

M0xx↓02 Annunciation Map
Keypad Selections (left to right on keypad screen)
NOTE: "xx" represents the module number.

Name	Selections	Description	Regional Settings Default
Area 1 to Area 16	✓(yes) □ (no)	AnnuAreaMap defines which areas the module can alert sirens, sonalerts and other sound notifications from.	Area 1: ✓ (yes) Area 2 – 16: □ (no)

M0xx↓03 Arm/Disarm Map
Keypad Selections (left to right on keypad screen)
NOTE: "xx" represents the module number.

Name	Selections	Description	Regional Settings Default
Area 1 to Area 16	✓(yes) □ (no)	Defines which areas can be armed /disarmed from this e.g. keypad. Required for Area Group Mode assignments S001↓08	Area 1: ✓ (yes) Area 2 – 16: □ (no)

M0xx↓04 Exit Delay Map
Keypad Selections (left to right on keypad screen)
NOTE: "xx" represents the module number.

Name	Selections	Description	Regional Settings Default
Area 1 to Area 16	✓(yes) □ (no)	Defines which areas also have an exit delay when the area this keypad is assigned to is armed.	Area 1: ✓ (yes) Area 2 – 16: □ (no)

M0xx↓05 Keypad Selections   NOTE: "xx" represents the module number.
WARNING: These Access Control features are only available with the addition of the "Feature Expansion Board".

(left to right on keypad screen) **N America Example:**

```
000 · 07 · 07· 00· 00·
↓Save   ↓? M001↓05
```

Pressing the keypad button under ↓? will display the type of module and the module's point and output ranges.

Name	Selections	Description	Regional Settings Default	
Schedule	0-250		**000**	
Single Badge In-Schedule Mode	00=None, 01=Auto logon, 02=Auto arm ON, 03=Auto Arm STAY, 04=Auto Disarm STAY, 05=Auto Disarm OFF, 06=Toggle OFF-STAY, 07=Toggle OFF-ON, 08=Toggle STAY-ON, 09=Extend Exit Delay, 10=Auto Work Late.		N America	07
			European	05
			U.K. ACPO	05
			Aus/NZ	00
			China/H.K.	05
			Netherlands	05
			Switzerland	05
			France	05
Single Badge Out of Schedule Mode	Same selections as "Single Badge In Schedule Mode".		N America	07
			European	05
			U.K. ACPO	05
			Aus/NZ	00
			China/H.K.	05
			Netherlands	05
			Switzerland	05
			France	05

Hold Badge In Schedule Mode	Same selections as "Single Badge In Schedule Mode".		N America	00
			European	02
			U.K. ACPO	02
			Aus/NZ	00
			China/H.K.	02
			Netherlands	02
			Switzerland	02
			France	02
Hold Badge Out of Schedule Mode	Same selections as "Single Badge In Schedule Mode".		N America	00
			European	02
			U.K. ACPO	02
			Aus/NZ	00
			China/H.K.	02
			Netherlands	02
			Switzerland	02
			France	02

M0xx↓06 Keypad Selections   NOTE: "xx" represents the module number.
WARNING: These Access Control features are only available with the addition of the "Feature Expansion Board".
(left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Door Number		Whether it is the first door or second door on the door module.	**01**	

Hold time (or Multi-Badge time)	00-07	Length of time (Delay Table) to present a card to invoke Hold Badge features (see M0xx:05 above)
		If module is Keypad with internal reader, this number is used by the Delay Table.
		If module is Keypad with external reader, this number is used to time the double or triple card swipes:
		`00=0.0 sec   04=2.0 sec`
		`01=.75 sec   05=2.5 sec`
		`02=1.0 sec   06=3.0 sec`
		`03=1.5 sec   07=5.0 sec`
			N America	03

			European	03
			U.K. ACPO	03
			Aus/NZ	03
			China/H.K.	03
			Netherlands	03
			Switzerland	03
			France	03
In or Out Reader	✓(yes) ☐ (no)	Assigned to: • A reader mounted outside an area door to track users that have entered an area. • A reader mounted on the inside of the door to track users that have left the area.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
In or Out Station	✓(yes) ☐ (no)	A reader that tracks a user's location e.g. used like a time clock.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Badge Access Control	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)

			France	□ (no)
Hold PIN Prompt	✓(yes) □ (no)	Personal access device (card, fob) must be held at e.g. keypad reader and a PIN must be entered for a response.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Disable Single on Badge-Hold	✓(yes) □ (no)	This determines whether or not the action defined under 'single' (in or out of schedule) will also occur on a badge-hold action. Not selected: Badge-hold produces action defined under 'single' is included. Selected: Badge-hold action occurs by itself.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Disarm Card + PIN	✓(yes) □ (no)	Must also use PIN to turn protection off after using access device (card, fob) at keypad with internal reader.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

M0xx↓07 Keypad Selections   NOTE: "xx" represents the module number.
WARNING: These Access Control features are only available with the addition of the "Feature Expansion Board".
(left to right on keypad screen) **N America Example:**

```
□·000·0·0· □□□···
↓Save   ↓? M001↓07
```

Pressing the keypad button under ↓? will display the type of module and the module's input and output ranges.

Name	Selections	Description	Regional Settings Default
Reader Defined	✓(yes) □ (no)		□ (no)
Card Lockout Schedule	00 = No scheduled lockout 01 – 250 Schedule	A schedule to specify when card access will be blocked	000
Enable or Disable Cards of Type	0 = None 1=Escort Req'd, 2 =non-permanent users. 3 =all users		0
Enable or Disable Mode	If enabling reader, see Note *1. If disabling reader, see Note *2.	Note *1: If enabling reader, 0=enable for 4 hrs, 1=enable for 8hrs, 2=enable for 12 hrs, 3=enable for 24 hrs, 4=enable for 1 week, 5=enable until midnight tonight, 6=enable permanently, 7=enable until out of schedule according to schedule 50. Note *2: If disabling reader, 0=disable card permanently, 1=disable card but set it so that it can be re-enabled later at an enabling station, 2= disable card permanently and trigger auxiliary output , 3= disable card enable re-enroll and trigger auxiliary output, 4 to 7 = not used, same as 1 (room for future expansion)	0

NOTE: Programming selections whose boxes are grey are not available for this version.

Arming Station or Keypad Reader connected to Reader LCD Keypad	✔ (yes) ☐ (no)	**NOTE:** Bi-colour LED must be enabled for arming station **R001↓7**.	☐ (no)
Lockout In Schedule	✔ (yes) ☐ (no)	Toggles the lockout between inside of the chosen schedule (✔), compared to outside of the schedule (☐).	☐ (no)
Enabling Reader	✔ (yes) ☐ (no)		☐ (no)

NOTE: Programming selections whose boxes are grey are not available for this version.

M0xx↓08 Keypad Selections   NOTE: "xx" represents the module number.
(left to right on keypad screen) **N America Example:**

```
000·☐☐☐☐☐☐☐·····
↓Save   ↓? M001↓08
```

WARNING: These Access Control features are only available with the addition of the "Feature Expansion Board".

Name	Selections	Description	Regional Settings Default
Class Map Schedule	00 = Treat as In Schedule 01 – 250 Schedule		**000**
In Schedule A	✔ (yes) ☐ (no)		☐ (no)
In Schedule B	✔ (yes) ☐ (no)		☐ (no)
In Schedule C	✔ (yes) ☐ (no)		☐ (no)
Out of Schedule A	✔ (yes) ☐ (no)		☐ (no)
Out of Schedule B	✔ (yes) ☐ (no)		☐ (no)
Out of Schedule C	✔ (yes) ☐ (no)		☐ (no)
Enable Class Checking	✔ (yes) ☐ (no)		☐ (no)

M0xx↓09 Keypad Selections   NOTE: "xx" represents the module number.
WARNING: These Access Control features are only available with the addition of the "Feature Expansion Board".
(left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Card Mode Schedule	00 = Treat as In Schedule setting 01 – 250 (Schedule)		**000**
Reader Mode Schedule	00 = Treat as In Schedule setting 01 – 250 (Schedule)		**000**
Card Mode In Schedule	0=Card only 1= Card + PIN 2= Card or UID/ PIN 3= UID/ PIN only		**0**
Card Mode Out of Schedule	0=Card only 1= Card + PIN 2= Card or UID/ PIN 3= UID/ PIN only		**0**
Reader Mode In Schedule	0=Normal 1= Dual Custody 2= Escort 3= Future		**0**
Reader Mode Out of Schedule	0=Normal 1= Dual Custody 2= Escort 3= Future		**0**

NOTE: Programming selections whose boxes are grey are not available for this version.

Program Section: P001 (Inputs)

Pxx1↓00 Keypad Selections   NOTE: "xx1" represents the input number.
(left to right on keypad screen) **N America Example:**

```
201·01·01·········
↓Save   ↓? P001↓00
```

Pressing the keypad button under **↓?** will display the module the point is associated with and the module's point range.

Name	Selections	Description	Regional Settings Default
Circuit Type	0: N/C (no EOL) 1: N/C with 2.2k EOL 2: Form "C" single resistor EOL & N/O with 2.2k EOL 3: Form C—dual 2.2k	First digit of the input's first 3 digit code for standard types only. Refer to S007:00 for Custom Circuit Types. A "000" 3 digit code is an undefined input.	Example: **2**01
Point Type	01 - 33: See the Input Point Type Reference table. 80 - 99: Custom types programmed in section: T080 - T099.	Second 2 digits of the input's first, 3 digit code A "000" 3 digit code is an undefined input.	Example: 2**01**
Area this input is assigned to.			**01**
Buffer Area		A secondary area that shares Entry/Exit doors with the above first area. If not a Buffer Area, enter the same area number as above, again here.	**01**

Pxx1↓1 Keypad Selections (left to right on keypad screen)
NOTE: "xx1" represents the input number.

Name	Selections	Description	Regional Settings Default
Input # 1 Label	16 available characters	The input name that will appear in input Status, Alarm menus, etc. Edit the same as the Greeting Message, S001:04	Example: "**FRONT DOOR**" (16 available characters)

Input Point-Type Reference

Point Type (###)	Class	Monitored for these Area Arming Level(s)	Monitoring Style	By-pass	Chime	Tx Off	Tx Stay	Tx On	Sonlrt Off	Sonlrt Stay	Sonlrt On	Siren Off	Siren Stay	Siren On
01 (Entry Door)	Burg	Stay & On	Entry/Exit Door	–	✓	–	✓	✓	–	✓	✓	–	✓	✓
02 (Entry Route)	Burg	ON Only	Entry/Exit Route	✓	–	–	–	✓	–	–	✓	–	–	✓
03 (Perimeter)	Burg	Stay & On	Immediate	✓	✓	–	✓	✓	–	✓	✓	–	✓	✓
04 (Interior Motion)	Burg	ON only	Immediate	✓	–	–	–	✓	–	–	✓	–	–	✓
05 (Motion–FAP)	Burg	ON only	FAP	✓	–	–	–	✓	–	–	✓	–	–	✓
FAP: (False Alarm Preventer) If a FAP input is not OK longer than 10 seconds, an alarm condition occurs. If a FAP input is triggered and immediately resets, a 20 minute timer begins. If the same device is tripped or a different FAP device trips in the same 20 minutes, an alarm occurs.														
06 (Day Warning)	Burg	24hr	Immediate	✓	–	–	–	✓	✓	✓	✓	–	–	✓
07 (24hr Burglary)	Burg	24hr	Immediate	✓	–	✓	✓	✓	✓	✓	✓	✓	✓	✓
10 (Fire - A)	Fire-A	24hr	Immediate	–	–	✓	✓	✓	✓	✓	✓	✓	✓	✓
11 (Fire - Delayed)	Fire	24hr	15s delay	–	–	✓	✓	✓	✓	✓	✓	✓	✓	✓
12 (Fire - Immed)	Fire	24hr	Immediate	–	–	✓	✓	✓	✓	✓	✓	✓	✓	✓
13 (Hold-up)	holdup	24hr	Immediate	–	–	✓	✓	✓	–	–	–	–	–	–
14 (Aux Alert)	Emerg	24hr	Immediate	–	–	✓	✓	✓	✓	✓	✓	✓	✓	✓
20 (Supervisory)	Spvsr	24hr	Immediate	✓	–	✓	✓	✓	✓	✓	✓	–	–	–
30 (Local - 24hr)	Burg	24hr	Immediate	✓	–	–	–	–	✓	✓	✓	✓	✓	✓
31 (Local-Stay&On)	Burg	Stay & On	Immediate	✓	✓	–	–	–	–	✓	✓	–	✓	✓
32 (Future Use)	Burg	Future Use	Future Use	✓	✓	–	–	–	–	–	✓	–	–	✓
33 (Local - ON only)	Burg	ON only	Immediate	✓	✓	–	–	–	–	–	✓	–	–	✓
80 - 99 (Custom)	Custom point types as defined in **T080 - T099**. Custom point types provide full control over input point characteristics, plus additional features including arm/disarm keyswitch operation, and setting up garage door sensors, Vault/Safe class input points, plus guard-tour points, and work-late buttons.													

Default North America, Australia/New Zealand Input Settings (Pxx1:00 and Pxx1:01)

Input Pt.	Circuit/Pt. Type	Protection	Area	*Buffer Area	Name (Pxxx:01)
P001	NA = 201 Aus/NZ = 301	Entry/Exit Door (w/o access ctrl)	01	01	FRONT DOOR
P002	NA = 202 Aus/NZ = 302	Entry Route - ON Only	01	01	LOBBY MOTION
P003	NA = 204 Aus/NZ = 304	Interior - ON Only	01	01	OFFCE MOTION
P004	NA = 204 Aus/NZ = 304	Interior - ON Only	01	01	INTR MOTION
P005	NA = 204 Aus/NZ = 304	Interior - ON Only	01	01	REAR MOTION
P006	NA = 203 Aus/NZ = 303	Perimeter - Stay & On	01	01	PERIMETER DR
P007	NA = 203 Aus/NZ = 303	Perimeter - Stay & On	01	01	OHD (over head door)
P008	NA = 201 Aus/NZ = 301	Entry/Exit Door (w/o access ctrl)	01	01	REAR DOOR
P009	NA = 203 Aus/NZ = 303	Perimeter - Stay & On	01	01	PERIMETER DR
P010	NA = 203 Aus/NZ = 303	Perimeter - Stay & On	01	01	PERIMETER DR
P011	NA = 203 Aus/NZ = 303	Perimeter - Stay & On	01	01	PERIMETER DR
P012	NA = 203 Aus/NZ = 303	Perimeter - Stay & On	01	01	PERIMETER DR
P013	112	Fire Immediate	01	01	KEYPAD FIRE
P014	013	Hold-up	01	01	KEYPAD PANIC
P015	114	Auxiliary Alert	01	01	KEYPAD EMERG

* A Buffer Area is a secondary area number that the point may also share. Example: a single door that is between 2 areas.

Default UK ACPO, European, China/HK, Netherlands, Switzerland, France Input Settings (Pxx1:00 and Pxx1:01)

Input Pt.	Circuit/Pt. Type	Protection	Area	Buffer Area	Name (Pxxx:01)
P001	080 UK ACPO 201: European, China/HK, Netherlands, Switzerland, France	Custom # 80 (Command Point, Class: Supervisory. See Custom Point Programming and ACPO)	01	01	LCLCMDATEALL FRONT DOOR: European, China/HK, Netherlands, Switzerland, France
P002	201	Entry/Exit Door	01	01	CCT DESCRIP
P003	202	Entry Route	01	01	CCT DESCRIP
P004	204	Interior - ON Only	01	01	CCT DESCRIP
P005	204	Interior - ON Only	01	01	CCT DESCRIP
P006	204	Interior - ON Only	01	01	CCT DESCRIP
P007	204	Interior - ON Only	01	01	CCT DESCRIP
P008	204	Interior - ON Only	01	01	CCT DESCRIP
P009	204	Interior - ON Only	01	01	CCT DESCRIP
P010	204	Interior - ON Only	01	01	CCT DESCRIP
P011	204	Interior - ON Only	01	01	CCT DESCRIP
P012	206	Day Warning	01	01	SIREN TAMPER

Program Section: E001 (Equipment Failures)

E0xx↓00 Keypad Selections NOTE: "xx" represents the equipment trouble type number: 01 – 16.
(left to right on keypad screen) **N America Example:**

```
01··System Tmpr
↓Save      E001↓00
```

Name	Selections	Description	Regional Settings Default
Time Delay	Enter time delay code from global time delay table. 00 = undefined	System Tamper can not be edited.	

Failure Name	From Equipment Failure Name Table		

E0xx↓01 Keypad Selections (left to right on keypad screen)
NOTE: "xx" represents the equipment trouble type number: 01 – 24.

Name	Selections	Description	Regional Settings Default
Transmit Off	✓(yes) ☐ (no)		
Transmit Stay	✓(yes) ☐ (no)		
Transmit On	✓(yes) ☐ (no)		
Alert Off	✓(yes) ☐ (no)		
Alert Stay	✓(yes) ☐ (no)		
Alert On	✓(yes) ☐ (no)		
Siren Off	✓(yes) ☐ (no)		
Siren Stay	✓(yes) ☐ (no)		
Siren On	✓(yes) ☐ (no)		

Equipment Failure Number/Name Table and Default Regional Settings (left to right on keypad screen)

E001 System Tamper (permanent)

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
European	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
U.K. ACPO	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
Aus/NZ	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
China/H.K.	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY☐ ON☐	OFF✓ STAY☐ON☐
Netherlands	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
Switzerland	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
France	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓

E002 Low/No Battery

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E003 AC Mains Failure

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	23 (4 hours)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	20 (60 minutes)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	23 (4 hours)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	18 (30 minutes)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	20 (60 minutes)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	20 (60 minutes)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

| Switzerland | 20 (60 minutes) | OFF✓ STAY✓ ON✓ | OFF✓ STAY✓ ON✓ | OFF☐STAY☐ON☐ |
| France | 20 (60 minutes) | OFF✓ STAY✓ ON✓ | OFF✓ STAY✓ ON✓ | OFF☐STAY☐ON☐ |

E004 No Phone Line

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	00 Undefined (5 mins)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E005 Report Delay

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	15 (10 minutes)	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	15 (10 minutes)	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	15 (10 minutes)	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	15 (10 minutes)	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	15 (10 minutes)	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	15 (10 minutes)	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	15 (10 minutes)	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	15 (10 minutes)	OFF☐STAY☐ON☐	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E006 Time Lost

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E007 Time Change

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E008 Program Edit (Change)

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

		Transmit	Sonalert	Siren
European	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E009 Program Error

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E010 Fuse Failure

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Switzerland	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
France	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

E011 Module (Pod) Trouble

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
European	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
U.K. ACPO	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
Aus/NZ	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
China/H.K.	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
Netherlands	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
Switzerland	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓
France	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON✓

E012 Module (Pod) Battery Low

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
European	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
U.K. ACPO	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Aus/NZ	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
China/H.K.	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐
Netherlands	01 (1 second)	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐STAY☐ON☐

| Switzerland | 01 (1 second) | OFF✓ STAY✓ ON✓ | OFF✓ STAY✓ ON✓ | OFF☐ STAY☐ ON☐ |
| France | 01 (1 second) | OFF✓ STAY✓ ON✓ | OFF✓ STAY✓ ON✓ | OFF☐ STAY☐ ON☐ |

E013 Module (Pod) Program Edit

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

E014 Module (Pod) Program Error

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

E015 Output Trouble

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

E016 HSC, Security IP Trouble

Regional Setting Defaults	Time Delay Code	Transmit	Sonalert	Siren
N America	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
European	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
U.K. ACPO	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Aus/NZ	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
China/H.K.	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Netherlands	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
Switzerland	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐
France	00 Undefined	OFF✓ STAY✓ ON✓	OFF✓ STAY✓ ON✓	OFF☐ STAY☐ ON☐

Program Section: B001 (Programmable Outputs)

(left to right on keypad screen) **N America Example:**

Pressing the keypad button under ↓**?** will display the location (main panel, module) of the output and the location's output range.

```
?  S000.05  Query
↓Save   ↓?  B001↓00
```

Outputs are programmable electronic switches that can be used to signal alarms or control items such as lights, garage doors, etc. The keypad Programmable Outputs screens allow viewing or changing (to Feature Set 4 only) the characteristics for each of these outputs.

This system uses a programmable output format referred to as a **"Query Condition"**. A Query Condition is the equivalent of the previous output-programming format (bCAPL) with enhancements. It is basically testing if a condition is valid or not, true or false (e.g. "Is Area 5 On?"). Entering simple output types can be done at an LCD keypad in the configuration programming output "B" section using output code selections. Advanced, Equation, Logic style outputs can only be set up using the Director software and sending this output information to the panel using a direct connection, IP etc.

General Signalling/Switching Functions

Outputs can be set to activate whenever a certain type of input is triggered or a specific event occurs. This can be for the entire system, a single area, a specific door, or for a specific input point.

Door Controller Outputs: These units include dedicated outputs that are configured along with other reader/door settings (via **R0xx).** For details, refer to the "R" (Door) programming section.

Keypad Function Keys

Outputs can be set to respond when a user presses the "**F**" function key and a number-key at an 'LCD keypad'. **F**1-**F**5 are available to all users, while **F**6-**F**9 and **F**0 can be set (on an area-by-area basis) to work only when a user with "Function Key" authority is logged in.

For details, see the "Function Key PIN Required" selection in A0xx↓02.

Function key F5 is pre-set to toggle the keypad chime feature on and off. It can be programmed for other actions, but is generally not—since the keypad chime feature would be toggled too.

Suite Security LED Keypads: Function keys on these units perform a fixed operation (they are not programmable here).

The Paging Feature

Outputs 001 – 002 should be used for the main controller's 2 relay outputs. Outputs 003 – 032 maximum should be considered for assigning to the main controller for possible STU (subscriber terminal unit for modem Redcare output connections). Any outputs 001 – 128 can be set to signal a numeric pager when triggered by their associated alarm condition. The specific alarm/event to be associated with each of the outputs is defined in the System Program Section **S001:06** where the base or beginning output number is entered and then the related output numbers are programmed sequentially. Other settings for the paging feature are set through screens **S005:08** and **S005:09.** The message sent to the pager will be the Panel Unique ID: **S001:02**, and the associated output number.

Tip: It is very useful to print out a small alarm/output reference (wallet or pager-size), for each system that has paging set-up. For details on the "Panel Code" (also known as "Unique ID"), refer to **S001:02**.

General Notes:
Programmable output numbers are assigned by the system when a module that supports outputs is set up. The assigned numbers will be based on the order the modules are added, and the number of outputs that are 'reserved' by each module.

xL Panels---VBUS Outputs and Parallel STU outputs
The xL panel supports one 8-output modem/STU (w/configurable base value), plus one 8-ouput VBUS board (with sequential output numbers starting at a single programmable base value). A total of 2 VBUS boards are supported if a Parallel STU is not present. In addition to the settings relating to VBUS and STU outputs, the "Panel onboard outputs" value must include the number of STU and VBUS outputs--plus the two on the panel itself for a grand total. This is selectable as multiples of 4 only (4, 8, 12, etc), so select the next higher value if necessary. VBUS and STU outputs will NOT be recognized if the panel onboard outputs value does not account for all of these outputs.

Location in Software: Configuration ->System (General) ->I/O Mapping (tab):

Location via Keypad: S001:00, S001:06, and S001:07.

Outputs on a graphic map annunciator module refer to the LEDs on the front of the module. Outputs 1 and 2 are obtainable as hard wire connections on the map module's circuit board.

As an aid when setting up the programmable outputs, it is **extremely** useful to create and fill-in a 3-column table to track: module/connection compared to system input/output reference #, compared to location/desired operation.

Undefined Output

LCD Screen

- An Undefined Output is turned off. It can be changed to any **"Query Condition"** by changing the first **0** to the letter of any programming section i.e. "S" for System, "A" for Area etc. (see page 1 for a full list).

```
? 0000.00 Undef
↓Save   ↓?  Bxxx:0
```

> Pressing the keypad button below " ↓? " when the output number is associated with a module will display the module's number (i.e. module # XX), what type it is (e.g. Input/Output module), the module's serial number and its output number range.

Query Condition

- **"q"** will represent the first letter of a programming section.

```
? qnnn.cc Query
↓Save   ↓?  Bxxx:0
```

- **"nnn"** is the number in the programming section range that the output is assigned to. E.g. 001 – 016 for Areas, 001 – 050 for Schedules. However, "System" is 000 – 000 because there are no specific numbers of anything contained in it. '000' would be entered for "System".
- **"cc"** is the condition code number for the Query from the Output Selections tables.
- A Query can always be changed from one type to another and can be set as undefined. E.g. a system siren (S000.07) can be changed to Area 5 is OFF (A005:14).

Output type

- In the next keypad screen after pressing Save, any basic output assignment can be timed or just follow what the output is supposed to do.

```
T itt        Timer
↓Save   ↓?  Bxxx:1
```

- **"i"** represents entering a "0" for the output to be a non-inverted output (e.g. output turns positive) or "1" for an **inverted output** (e.g. output turns negative).
- **"tt"** mainly assigns a time delay to the output from the Timer Delay Codes Table, page 37. If "**00**" is entered here it follows a "normal" output action e.g. "When the system is in alarm". The timer delay table begins with entering from 01 being a 1 second timer to 31 being a 1-week timer. Special entries here are "**98**" which will make the output a toggle type. Meaning e.g. associated keypad command keys when pressed will turn the output on and the same key sequence pressed again will turn it off. Entering "**99**" is an additional way to turn the output off so it will never activate.

These previous screens are the only ones that will permit programming simple outputs using the following Output Selections tables. The next output programming screens will only appear when an advanced output has been programmed using the Director Software and sent to the panel with a communications method e.g. direct connection, IP module. After an advanced equation output has been sent to the panel, viewing the related output in the "B" output's programming section on an LCD keypad will display additional screens for it like the following:

- A Logic equation output where **"ff"** is a following condition code.

```
L ff         Logic
↓Save   ↓?  Bxxx:2
```

- A logic equation that is very complicated and can only be viewed in the Director software program.

```
Complex-Director
↓Save   ↓?  Bxxx:0
```

- An output in the outputs section has been e.g. improperly programmed.

```
Error! Bxxx,eee
↓Save        Bxxx:2
```

This condition will only display in the output's "B" programming section on an LCD keypad and not in Status.

Warning: Ordinarily, this type of error will display as a result of a complicated equation output done in the Director software and sent to the panel. This will make it necessary to correct the error in the Director software and re-send the information to the panel.

"xxx" is the output number, 001 – 128, where the error first occurred. It may not be the same as the output you are currently viewing. All outputs after the one affected will display "Error" and not display any of their settings on the LCD screen. Outputs after the one in fault will also cease to operate. All outputs before the one affected will display their settings and operate normally.

"eee" will tell you the type of error. Refer to the following error list.

Error Code	Description	Possible Solution
000	Not applicable.	Notify dealer if persistent.
001	Program section unknown.	Check program section letter i.e. "A" for Area, "M" for module etc.
002	Logic equation condition is unknown.	Panel firmware version may be incompatible with Director ver.
003	Program section range number invalid.	Check the range # e.g. Input # 001 – 128.
004	Incompatible Feature Set #	Panel's Feature Set needs upgrading.
005 - 019	Future use.	
020 - 029	Critical Error	Notify dealer if persistent.

Output Examples

Examples 1 to 5 are configurable in LCD keypad output programming. Examples 6 to 9 must be configured with the Director software and Sent to Panel.

Example 1: Simple Single Equation with Follow Output

```
Bxxx:00   "? D025.00 Query "      - Schedule 25 is in schedule
Bxxx:01   "T 000     Timer "      - Follow (Normal)
```

- Output Bxxx will be ON whenever schedule #25 is in effect.

Example 2: Simple Single Equation with Inverting Output

```
Bxxx:00   "? D025.00 Query "      - Schedule 25 is in schedule
Bxxx:01   "T 100     Timer "      - Inverting Follow Output
```

- Output Bxxx will be OFF whenever schedule #25 is in effect. Whenever schedule #25 is not in effect, output xxx will be ON.

Example 3: Simple Single Equation with Timed Output

```
Bxxx:00   "? D025.00 Query "      - Schedule 25 is in schedule
Bxxx:01   "T 010     Timer "      - Timed positive output, 60 seconds
```

- Output Bxxx will turn on for 60 seconds when schedule 25 first goes into effect.
- E.g. schedule 25 is defined as 9am to 5pm, Monday to Friday. Output xxx will turn on for 60 seconds at 9am on Monday and then will turn off etc. for the rest of the days of the week assigned.

Example 4: Simple Single Equation with Inverting Timed Output

```
Bxxx:00   "? D025.00 Query "      - Schedule 25 is in schedule
Bxxx:01   "T 110     Timer "      - Timed negative output, 60 seconds
```

- Output Bxxx will turn off for 60 seconds when schedule 25 first goes into effect and will be on otherwise.
- E.g. schedule 25 is defined as 9am to 5pm, Monday to Friday. Output xxx will normally be ON and will turn off for 60 seconds at 9am on Monday and then will turn back on etc. for the rest of the days of the week assigned.

Example 5: Toggle Output on function Key

```
Bxxx:00   "? A001.01 Query "      - Function Key 1 in area 1
Bxxx:01   "T 098     Timer "      - Toggle output.
```

- The key term is Timer "Toggle Output" (T098).
- Note that T198 could be entered but this has the same function as T098.
- Pressing Function key 1 in area 1 turns the output ON. Repeating this procedure turns it off.

Example 6: Simple Two Term AND Equation with Normal Output

Configurable only with Director software and Sent to Panel

```
Bxxx:00   "? D025.00 Query "      - Schedule 25 is in schedule
Bxxx:01   "? A002.14 Query "      - Area 2 is OFF
Bxxx:02   "L 01      Logic "      - Logical AND operator      –  additional screen generated with Director software.
Bxxx:03   "T 000     Timer "      - Follow (Normal)           –  additional screen generated with Director software.
```

- Output Bxxx will turn on when schedule 25 is in effect AND area 2 is off. Otherwise, output xxx will be off.
- *** This equation can not be created directly at the LCD Keypad – it would have to be created in the Director software. After the logical operation and timer value conditions have been made in the Director software and sent to the panel, modifying them can be done at the keypad but not any other changes.
- *** This equation can not be deleted from the LCD keypad directly. Values for the first term (Bxxx:0) can not be undefined. This type of editing can only be done using the Director software.

Example 7: Simple Two Term OR Equation with Timed Output

Configurable only with Director software and Sent to Panel

```
Bxxx:00  "? A001.15 Query "    - Area 1 is not ON
Bxxx:01  "? A002.14 Query "    - Area 2 is OFF
Bxxx:02  "L 00      Logic "    - Logical OR operator        – additional screen generated with Director software.
Bxxx:03  "T 012     Timer "    - Timed output, 2 minutes    – additional screen generated with Director software.
```

1. Output Bxxx will turn on for 2 minutes when area 1 changes from on or when area 2 goes off from some other state.
2. The output will not turn back on again after the 2 minutes expire until area 1 goes On and Area 2 is either STAY or ON.
3. After these two conditions are met, the output will turn back on as noted in point 1.

Example 8: Flash a LED when a Condition is True

Configurable only with Director software and Sent to Panel using "**System – Special Outputs**"

```
Bxxx:00  "? A016.24 Query "    - A point is bypassed in Area 16
Bxxx:01  "? S001.00 Query "    - Turns 1 sec On, 1 sec Off
Bxxx:02  "L 01      Logic "    - Logical AND operator
Bxxx:03  "T 000     Timer "    - Follow (Normal)
```

- When a point is bypassed in area 16, the output will flash 1 second on, 1 second off.
- This is achieved by the logical AND of the area condition query and the special On /Off effect available in System – Special Outputs programming.

Example 9: (Complicated) Flash a LED for 45 Minutes after a Panic Token is Detected in an Area

Configurable only with Director software and Sent to Panel using "**System – Special Outputs**"

```
B001:00  "? A001.47 Query "    - Panic Token used in Area 1
B001:01  "T 019     Timer "    - Timed Output, 45 minutes
B002:00  "? S001.00 Query "    - Turns 1 sec On, 1 sec Off
B002:01  "? B001.00 Query "    - Output 1 is ON
B002:03  "L 01      Logic "    - Logical AND operator
B002:04  "T 000     Timer "    - Follow (Normal)
```

- 2 separate outputs are used to perform this procedure.
- A 45 minute timer is applied to panic tokens detected in area 1 in e.g. output # "B001".
- The output state of B001 (timed output based on panic token in area 1) is used to logically "AND" additional output # e.g. B002 with the Special System 1 second On/Off selection. The important detail is that we use Follow (Normal) for output B002, in order for the timer not to re-trigger.

Default Programmable Outputs for Regional Settings

Output # / Location	Regional Setting Default	Default Codes / Setting	Meaning / Operation
B001:00 (motherboard)	N America	"? S000.07 Query "	- Follows Alarm Siren
B001:01		"T 000 Timer "	- Follow (Normal)
B001:00 (motherboard)	European	"? S000.07 Query "	- Follows Alarm Siren
B001:01		"T 000 Timer "	- Follow (Normal)
B001:00 (motherboard)	Aus/NZ	"? S000.06 Query "	- Follows ALARM (BURG / EMERG) & FIRE siren steady.
B001:01		"T 000 Timer "	- Follow (Normal)
B001:00 (motherboard)	China/H.K.	"? S000.07 Query "	- Follows Alarm Siren
B001:01		"T 000 Timer "	- Follow (Normal)
B001:00 (motherboard)	Netherlands	"? S000.06 Query "	- Follows ALARM (BURG / EMERG) & FIRE siren steady.
B001:01		"T 000 Timer "	- Follow (Normal)
B001:00 (motherboard)	Switzerland	"? S000.07 Query "	- Follows Alarm Siren
B001:01		"T 000 Timer "	- Follow (Normal)
B001:00 (motherboard)	France	"? S000.07 Query "	- Follows Alarm Siren
B001:01		"T 000 Timer "	- Follow (Normal)
B002:00 (motherboard)	N America	"? S000.05 Query "	- When system is IN ALARM.
B002:01		"T 000 Timer "	- Follow (Normal)

Output # / Location		Default Codes / Setting	Meaning / Operation
B002:00 (motherboard)	European	"? S000.05 Query "	- When system is IN ALARM.
B002:01		"T 000 Timer "	- Follow (Normal)
B002:00 (motherboard)	Aus/NZ	"? S000.57 Query "	- Strobe
B002:01		"T 000 Timer "	- Follow (Normal)
B002:00 (motherboard)	China/H.K.	"? S000.05 Query "	- When system is IN ALARM.
B002:01		"T 000 Timer "	- Follow (Normal)
B002:00 (motherboard)	Netherlands	"? S000.57 Query "	- Strobe
B002:01		"T 000 Timer "	- Follow (Normal)
B002:00 (motherboard)	Switzerland	"? S000.05 Query "	- When system is IN ALARM.
B002:01		"T 000 Timer "	- Follow (Normal)
B002:00 (motherboard)	France	"? S000.05 Query "	- When system is IN ALARM.
B002:01		"T 000 Timer "	- Follow (Normal)
B003:00 (keypad)	N America	"? A001.01 Query "	- Function Key 1 on Area 1 1st keypad.
B003:01		"T 005 Timer "	- Positive trigger, 10 sec delay.
B003:00 (keypad)	European	"? A001.01 Query "	- Function Key 1 on Area 1 1st keypad.
B003:01		"T 005 Timer "	- Positive trigger, 10 sec delay.
B003:00 (keypad)	Aus/NZ	"? A001.01 Query "	- Function Key 1 on Area 1 1st keypad.
B003:01		"T 005 Timer "	- Positive trigger, 10 sec delay.
B003:00 (keypad)	China/H.K.	"? A001.01 Query "	- Function Key 1 on Area 1 1st keypad.
B003:01		"T 005 Timer "	- Positive trigger, 10 sec delay.
B003:00 (keypad)	Netherlands	"? A001.01 Query "	- Function Key 1 on Area 1 1st keypad.
B003:01		"T 005 Timer "	- Positive trigger, 10 sec delay.
B003:00 (keypad)	Switzerland	"? A001.01 Query "	- Function Key 1 on Area 1 1st keypad.
B003:01		"T 005 Timer "	- Positive trigger, 10 sec delay.
B003:00 (keypad)	France	"? A001.01 Query "	- Function Key 1 on Area 1 1st keypad.
B003:01		"T 005 Timer "	- Positive trigger, 10 sec delay.
B004:00 - B128:00	N America	"? 0000.00 Undef "	- Undefined output
B004:01 - B128:01		"T 000 Timer "	- Follow (Normal)
B004:00 - B128:00	European	"? 0000.00 Undef "	- Undefined output
B004:01 - B128:01		"T 000 Timer "	- Follow (Normal)
B004:00 - B128:00	Aus/NZ	"? 0000.00 Undef "	- Undefined output
B004:01 - B128:01		"T 000 Timer "	- Follow (Normal)
B004:00 - B128:00	China/H.K.	"? 0000.00 Undef "	- Undefined output
B004:01 - B128:01		"T 000 Timer "	- Follow (Normal)
B004:00 - B128:00	Netherlands	"? 0000.00 Undef "	- Undefined output
B004:01 - B128:01		"T 000 Timer "	- Follow (Normal)
B004:00 - B128:00	Switzerland	"? 0000.00 Undef "	- Undefined output
B004:01 - B128:01		"T 000 Timer "	- Follow (Normal)
B004:00 - B128:00	France	"? 0000.00 Undef "	- Undefined output
B004:01 - B128:01		"T 000 Timer "	- Follow (Normal)

UK Default Programmable Outputs

Output # / Location	Default Codes / Setting	Meaning / Operation
B001:00 (motherboard)	"? S000.66 Query "	- ACPO Siren
B001:01	"T 100 Timer "	
B002:00 (motherboard)	"? S000.67 Query "	- Confirmed Alarm (ACPO strobe)
B002:01	"T 000 Timer "	
B003:00 (keypad)	"? A001.33 Query "	- When area Entry / Exit delay is in progress – provides a steady output (STAY & ON).
B003:01	"T 000 Timer "	
B004:00 (WW STU)	"? S000.60 Query "	- Personal ACPO Attack
B004:01	"T 100 Timer "	
B005:00 (WW STU)	"? S000.61 Query "	ACPO Unconfirmed Alarm
B005:01	"T 100 Timer "	
B006:00 (WW STU)	"? S000.62 Query "	ACPO Area Set / Unset
B006:01	"T 000 Timer "	
B007:00 (WW STU)	"? S000.64 Query "	Bypass in Effect
B007:01	"T 100 Timer "	
B008:00 (WW STU)	"? S000.54 Query "	Local AC (mains) failure.

B008:01	`"T 100    Timer "`	
B009:00 (WW STU)	`"? S000.65 Query "`	ACPO Confirmed Alarm
B009:01	`"T 100    Timer "`	
B010:00 (WW STU)	`"? A001.32 Query "`	Area is in 'Walk' or 'Hold-up' test.
B010:01	`"T 000    Timer "`	

Output Timer Delays and Special Codes `(Bxxx:01)`

00: undefined;	05: 10 sec;	(09: China/ HK=40 sec)	12: 2 min;	17: 20 min;	22: 2 hr;	27: 12 hr;	**Special Codes:**	
01: 1 sec;	06: 15 sec;		13: 3 min;	18: 30 min;	23: 4 hr;	28: 16 hr;	98 = toggle	
02: 2 sec;	07: 20 sec;	10: 60 sec;	14: 5 min;	19: 45 min;	24: 6 hr;	29: 20 hr;	99 = output off	
03: 3 sec;	08: 30 sec;	11: 90 sec;	15: 10 min;	20: 60 min;	25: 8 hr;	30: 1 day;		
04: 5 sec;	09: 45 sec;	(11: China/ HK=100 sec)	16: 15 min;	21: 90 min;	26: 10 hr;	31: 1 week		

Output Selections Table

WARNING: Access Control related outputs can only be used with the addition of the "Feature Expansion Board".

Program Section (`"q"`) "**S**"ystem	Section Range (`"nnn"`) 000 – 000
Code `"cc"`	**Description**
00	Fallback sonalert (at control panel) if Module Bus fails. Provides 1 sec. Output every 8 sec. And activates if there is no operational keypad in an area with programmed keypads.
01	Not Used
02	When system is FULLY ON
03	PARTIALLY ON. One or more areas ON.
04	When system is FULLY OFF
05	When system is IN ALARM - resets when point(s) restore (includes equipment failure & tampers)
06	Follows ALARM (BURG / EMERG) & FIRE siren steady.
07	Follows ALARM siren - steady for BURG / EMERG. Keypad tone & siren is 1 sec on/off for FIRE. **For UL:** When using this output type, fire siren is ½ sec on/off three times, 1.5 sec pause, and repeats. Keypad tone is 1 sec on/off.
08	Follows ALARM siren - steady for BURG / EMERG and provides 2 sec on/off for FIRE
09	Digital PHONE LINE trouble (follows report delay or line failure)
10	System WAS IN ALARM. This is only for input points in alarm e.g. NOT for system trouble (clears when alarmed areas are turned off then back on again)
11	When there is a point BYPASSED somewhere in the system
12	When any 'FIRE' point is in alarm
13	When any 'HOLD UP' point is in alarm
14	When any 'Aux Alert' point is in alarm
15	When any 'VAULT / SAFE' type point is in alarm
16	When any ''Burglary' point is in alarm. Delayed burglary for **European Version.**
17	When any 'Supervisory' point is in alarm.

18	When any 'Equipment Failure' is in alarm
19	Equipment Failure 1 – System Trouble / All type tamper for **European Version**.
20	Equipment Failure 2 – Battery Trouble
21	Equipment Failure 3 – AC (Mains) Trouble
22	Equipment Failure 4 – Phone Trouble
23	Equipment Failure 5 – Report Delay
24	Equipment Failure 6 – Time Lost
25	Equipment Failure 7 – Time Change
26	Equipment Failure 8 – Program Change
27	Equipment Failure 9 – Program Error
28	Equipment Failure 10 – Fuse Failure
29	Equipment Failure 11 – Module Trouble
30	Equipment Failure 12 – Module Battery Low
31	Equipment Failure 13 – Module Program Edit
32	Equipment Failure 14 – Module Program Error
33	Equipment Failure 15 – Misc. Trouble
34	Equipment Failure 16 – SIP Trouble
35	Duress Pin
36	Doors Unlocked.
37	Doors Locked Out
38	Doors Held Open
39	Doors Forced
40	Doors Tamper (door contact condition: no EOL resistor etc.)
41	Doors Open
42	Doors Secure
43	Doors Sensor Trouble (magnetic bond sensor not ok)
44	Global Invalid PIN and / orCard lockout.
45	Host (Director) computer is On-Line.
46	Host (Director) computer is Off-Line. Response time for IP, external modem, direct connection is 2 min. Bell 103 is 1 min.
47	SIP On-Line.
48	SIP Off-Line. Response time is 3 minutes.
49	Any point in tamper.
50	Any point in Alarm.
51	Any area is Force Arming

52	Any area Failed to Close
53	Phone Line Failure
54	Local AC (mains) failure.
55	System Tamper – **European Version**.
56	System Fault – **European Version**.
57	System WAS IN ALARM. This is only for input points in alarm e.g. NOT for system trouble (clears when alarmed areas are turned off)
57	**Strobe (Netherlands, Australia/NZ Regional Setting)**
58	Bypass is in effect in any armed area.

European Version (System)	
59	Fire
60	Personal Attack
61	Unconfirmed Alarm
62	Area Set / Unset
63	Freezer / Fire Fault
64	Bypass in Effect
65	Confirmed Alarm
66	Siren
67	Confirmed Alarm (Strobe)

System Special Outputs. Section Range: 001 – 001. See examples 8 & 9 in Output Examples. **NOTE: Only configurable through the Director Software.**

00	1 sec on, 1 sec off
01	2 seconds on every minute
02	10 seconds on every minute

Program Section (“q”) **“D”** Schedule	**Section Range** (“nnn”) Enter 001 – 050
Code “cc”	**Description**
00	Schedule in Schedule
01	15 minutes prior to In Schedule (opening)
02	15 minutes prior to Out of Schedule (closing)
03	Holiday in Effect (Whether Type 1,2,3 or No Access)
04	No Access, Holiday in effect.

Program Section (“q”) **“H”**oliday	**Section Range** (“nnn”) Enter 001 – 032
Code “cc”	**Description**
00	Holiday in Effect (Whether type 1,2, 3 or No Access)

Program Section (“q”) **“A”**rea	**Section Range** (“nnn”) Enter 001 – 016
Code “cc”	**Description**
00	Function Key 0
01	Function Key 1
02	Function Key 2
03	Function Key 3
04	Function Key 4
05	Function Key 5
06	Function Key 6

07	Function Key 7
08	Function Key 8
09	Function Key 9
10	When area is ON
11	When Area WAS IN ALARM. This is only for input points in alarm e.g. NOT for system trouble (clears when alarmed areas are turned off)
12	When area is in STAY 1
13	When area is in STAY 1 or (2 future)
14	When area is OFF
15	When area is Not ON
16	When area is Not OFF
17	When area is in ALARM. Resets when point(s) restore or follows siren timeout (includes equipment failures & tampers)
18	When area WAS IN ALARM. This is only for input points in alarm e.g. NOT for system trouble (clears when alarmed areas are turned off then back on again)
19	Follows ALARM siren - steady for BURG / EMERG and provides 1 sec ON/OFF for FIRE
20	Follows ALARM siren - steady for BURG / EMERG and provides 2 sec ON/OFF for FIRE
21	Follows sonalert, chime & provides Entry/Exit tones when armed to STAY & ON (UK ACPO = Fail to Arm)
22	Follows sonalert, chime & **does not** provide Entry/Exit tones when armed to STAY but provides Entry/Exit tones in ON (UK ACPO = Fail to Arm)
23	Follows Garage Entry Tones
24	When any point in this area is BYPASSED
25	When any ‘FIRE’ type point in this area is in alarm
26	When any ‘HOLD UP’ type point in this area is in alarm
27	When any ‘AUXILIARY ALERT’ type point in this area is in alarm.
28	When any ‘VAULT / SAFE’ type point is in alarm.
29	When any ‘BURGLARY’ type point in this area is in alarm.
30	When any ‘Supervisory’ point is in alarm.
31	When any ‘Equipment Failure’ is in alarm.
32	Area is in ‘Walk’ or ‘Hold-up’ test.
33	When area Entry / Exit delay is in progress – provides a steady output (STAY & ON).
34	When area Entry delay is in progress - provides a steady output (STAY & ON).
35	When area Exit delay is in progress - provides a steady output (STAY & ON).
36	When the area is ‘Ready To Arm’ - i.e. all points are secure.
37	When the area’s active schedule is in effect.
38	When the area schedule is CLOSING in 15 minutes.
39	Doors Unlocked.

40	Doors Locked Out.
41	Doors Held Open.
42	Doors Forced.
43	Door Tampers (door contact condition: no EOL resistor etc.)
44	Doors Open.
45	Doors Secure.
46	Door Sensor Troubles (magnetic bond sensor not ok)
47	Panic Token Detected.
48	Area "Empty" (User count <= minimum).
49	Area "Full" (User Count >=Maximum).
50	No Detected Activity in Area.
51	Activity Detected in Area.
52	15 minutes prior to Scheduled "Arm to ON" Level.
53	15 minutes prior to Scheduled "Arm to STAY" Level.
54	15 minutes prior to Scheduled "Arm to OFF" Level.
55	Area schedule is active.
56	Auto-command schedule is active.
57	Failed to close.
58	Any point in tamper in area.
59	Area armed with points bypassed.
60	Area Force Armed.
61	Invalid Card / PIN Lockout present.
62	Wandering Patient detected.
European Version (Area)	
63	Siren
64	Confirmed Alarm Strobe
65	Fire
66	Personal Attack
67	Unconfirmed Alarm
68	Set / Unset
69	Freezer / Fire Fault
70	Bypass in Effect
71	Confirmed Alarm

Program Section ("q") **"P"**oint (Inputs)	**Section Range** ("nnn") Enter 001 – 128
Code "cc"	**Description**
00	When point is NORMAL.
01	Any time the point is NOT NORMAL (open, tamper, alarm)
02	When point is NOT NORMAL in OFF or STAY (open, tamper, alarm)
03	When point is NOT NORMAL in ON (open, tamper, alarm)
04	When point is in ALARM
05	When point is BYPASSED
06	When the time delay is active (Pre-alarm Warning).
07	Point is in Tamper.
08	Point is in Delay. Follows a Custom Pt Type that has a time delay.
09	Positive confirmation of Command Point activation.

Program Section ("q") **"B"** Output State	**Section Range** ("nnn") Enter 001 – 128
Code "cc"	**Description**
00	An actual output is on.
01	Equation Output is TRUE
02	Manual Command is in effect from the Director software Outputs Section, Control & Status.

WARNING: Access Control related outputs can only be used with the addition of the "Feature Expansion Board".

Program Section ("q") **"R"** Doors	**Section Range** ("nnn") Enter 001 – 032
Code "cc"	**Description**
00	Door Unlocked
01	Door Locked Out
02	Door Held Open
03	Door Forced
04	Door Tamper (door contact condition: no EOL resistor etc.)
05	Door Open
06	Door Secure
07	Door Sensor Trouble (magnetic bond sensor not ok)
08	Door Blocked by Interlock Condition
09	Wandering Patient Detected
10	Door entry Delay in Effect

Program Section ("q") **"F"** loors	**Section Range** ("nnn") Enter 001 – 124
Code "cc"	**Description**
00	Floor Desecure

Program Section ("q") **"M"** odule	**Section Range** ("nnn") Enter 01 – 24
Code "cc"	**Description**
00	On Line
01	Tamper
02	Comms Trouble (Substitution & Comms)
03	Battery Trouble (Module)
04	User logged on to e.g. LCD keypads

Program Section ("q") **"C"** Suite	**Section Range** ("nnn") Enter 01 – 24
Code "cc"	**Description**
00	Alarm
01	Fire
02	Tamper
03	Siren / Sonalert
04	Module Communications Trouble
05	Suite Normal (No Alarm, Fire, Tamper, Siren / Sonalert, Comms Trouble)
06	Suite in STAY level.
07	Suite in ON level.
08	Suite in STAY or ON level.

Program Section: L001 (Authority Levels)

L001↓00 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
✓·MASTER        ··
↓Save      L001↓00
```

Name	Selections	Description	Regional Settings Default
First Authority Level Defined?	✓(yes) ☐ (no)		✓(yes)
First Authority Level Name	Edit the same as the Greeting Message, S001:04	Alphanumeric name for authority level - 12 characters (A blank name field means level is undefined.)	**MASTER**

L001↓01 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
User Edit Group			**001**
Floor Group			**000**

L001↓02 – 17 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Profile Number	0 = none, 1-100 = profile #	From Program Section "I" Authority Level Profiles.	**001**
Profile name	12 Characters	(if available, not editable)	**PROFILE MSTR**

NOTES:
- Profiles created in I001↓00 are applied to areas L001↓02 – 17 to permit authority of a user's abilities in that area. L001↓02 for area 1, L001↓03 for area 2 to L001↓017 for area 16.
- Authority levels applied in areas here will permit authority for Area Group Mode S001↓08.

Program Section: I001 (Profile I)

I001↓00 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
✓·PROFILE MSTR··
↓Save      I001↓00
```

Name	Selections	Description	Regional Settings Default
Profile Defined?	✓(yes) ☐ (no)		✓(yes)
Profile Name	Edit the same as the Greeting Message, S001:04	Alphanumeric name for authority level - 12 characters (A blank name field means level is undefined.)	**PROFILE MSTR**

I001↓01 Unscheduled Intrusion Related Authority Intrusion
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Emergency Off	✓(yes) ☐ (no)		✓(yes)
Isolate a trouble point	✓(yes) ☐ (no)		✓(yes)
Bypass	✓(yes) ☐ (no)		✓(yes)
Auto-Remove Bypass	✓(yes) ☐ (no)	A bypass put on a protection point from the previous armed period is automatically removed when the user turns the area to OFF.	✓(yes)
Test	✓(yes) ☐ (no)		✓(yes)
Service Test	✓(yes) ☐ (no)		✓(yes)

Silence Alarm	✓(yes) □ (no)		✓(yes)
Status	✓(yes) □ (no)		✓(yes)
History	✓(yes) □ (no)		✓(yes)
Function-Key Authorization	✓(yes) □ (no)		✓(yes)
Work Late	✓(yes) □ (no)		✓(yes)
Suspend Schedule			✓(yes)

I001↓02 Unscheduled Access Related Authority Access

Keypad Selections
(left to right on keypad screen) **N America Example:**

```
00·0·✓✓✓✓ □ ✓□ ✓□··
↓Save       I001↓02
```

Name	Selections	Description	Regional Settings Default
Group Number	0 = No Group Authority Group Number 1...62,63 = All Group Authority		**00**
Group Mode	0 = "is equal to" 1 = "greater than or equal to"		**0**
Access Off	✓(yes) □ (no)		✓(yes)
Access Stay	✓(yes) □ (no)		✓(yes)
Access On	✓(yes) □ (no)		✓(yes)
Escort	✓(yes) □ (no)		✓(yes)
Visitor	✓(yes) □ (no)		□ (no)
Master Override	✓(yes) □ (no)		✓(yes)
Wandering patient	✓(yes) □ (no)		□ (no)
Reset door alarm	✓(yes) □ (no)		✓(yes)
Panic Token	✓(yes) □ (no)		□ (no)

I001↓03 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Schedule A	0=undefined, 1 - 250 schedule #		**000**
Schedule B	0=undefined, 1 - 250 schedule #		**000**
Schedule C	0=undefined, 1 - 250 schedule #		**000**

I001↓04 Scheduled Intrusion Related Authority Scheduled Intrusion
Keypad Selections (left to right on keypad screen)
NOTE: The necessary Authority Level is required to affect the following area protection changes in and out of schedule. **NOTE:** 3 schedules maximum can be mixed and matched.

Name	Selections	Description	Regional Settings Default
On	0=None, 1=Always, 2=Schedule A in effect, 3=Schedule A not in effect, 4=Schedule B in effect, 5=Schedule B not in effect, 6=Schedule C in effect, 7=Schedule C not in effect		**1**
Off			**1**
Stay			**1**

I001↓04 Keypad Selections

Auto Disarm to OFF	0= Stay, 1= Off, 2= Schedule A in effect turn Off /not in effect, turn to STAY, 3= Schedule A in effect, turn to STAY / not in effect, turn Off 4= Schedule B in effect, turn Off /not in effect, turn to STAY, 5= Schedule B in effect turn to STAY /not in effect, turn Off, 6= Schedule C in effect, turn Off /not in effect, turn to STAY, 7= Schedule C in effect turn to STAY /not in effect, turn Off.		**1**
Auto Disarm all Areas	0= single 1= All, 2= Schedule A in effect all areas off /out of schedule, area entering off, 3= Schedule A in effect, area entering off /not in effect, all areas off. 4= Schedule B in effect all areas off /out of schedule, area entering off, 5= Schedule B in effect, area entering off /out of schedule, all areas off, 6= Schedule C in effect all areas off /not in effect area entering off , 7= Schedule C in effect area entering off /out of schedule, all areas off.		**1**

I001↓05 Scheduled Intrusion Related Authority Keypad Selections
(left to right on keypad screen) **N America Example:**

```
1·1·1·1············
↓Save        I001↓05
```

Name	Selections	Description	Regional Settings Default
Door Command	0=None, 1=Always,		**1**
Class A	2=Schedule A in effect,		**1**
Class B	3=Schedule A not in effect		**1**
Class C	4=Schedule B in effect, 5=Schedule B not in effect 6=Schedule C in effect 7=Schedule C not in effect		**1**

Default Authority Levels **Intrusion**	Master I001.00 – 005	Supervisor I002.00 – 005	Employee I003.00 – 005	Worker I004.00 – 005	Cleaner I005.00 – 005
Emergency Off	✔	✔			
Isolate	✔	✔			
Bypass	✔	✔			
Auto-lift Bypass	✔	✔			
Test	✔	✔			
Service Test	✔				
Silence Alarm	✔	✔	✔		✔
Status	✔	✔	✔	✔	✔
History	✔	✔			

Function Key Authorization	✓	✓			
Work Late	✓	✓	✓		✓
Suspend Schedule	✓	✓			
On	1	1	1	1	1
Off	1	1	1	0	1
Stay	1	1	1	0	1
Auto Disarm to Off	1	1	0	0	0
Auto Disarm all Areas	1	1	0	0	0

Access					
Group Number	00	00	00	00	00
Group Mode	0	0	0	0	0
Access when Area is Off	✓	✓	✓	✓	✓
Access when Area is in Stay	✓	✓	✓	✓	✓
Access when Area is On	✓	✓	✓	✓	✓
Escort	✓	✓			
Visitor					
Master Override	✓				
Wandering Patient					
Reset Door Alarm At system readers with a user card. Not at an Arming Station where ✳ 9 is used to silence.	✓	✓			
Panic Token					
Door Command	1	1	1	0	0
Class A	1	1	1	1	1
Class B	1	1	1	1	1
Class C	1	1	1	1	1

Program Section: W001 (User Edit W)

W001↓00 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
MASTER          ....
↓Save      W001↓00
```

Name	Selections	Description	Regional Settings Default
User Edit Name	12 characters		**MASTER**

W001↓01,03,05,07,09,11,13,15 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
User Start	User Start Range, 0 to end of users.	Depends on keypad selection of 20, 100, 300 or 1000 Users when the control board is powered for the first time.	**00001**
User End	User End Range, to end of users.		**00020**

W001↓02,04,06,08,10,12,14,16 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Authority Start	Authority Start Range, 0 to end of authorities.		**0001**
Authority End	Authority End Range, to end of authorities.		**0030**

Program Section: U001 (Users)

U001↓00 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
MASTER USER     001·
↓Save        U001↓00
```

Name	Selections	Description	Regional Settings Default
User Name	Edit the same as the Greeting Message, S001:04	Alphanumeric name for authority level - 12 characters (A blank name field means user is undefined.)	**MASTER USER**
Authority Level	00 = undefined user 01…30 = authority level	Assign an existing Authority Level number.	**001**

U001↓01 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Card Number	7 Digits Numeric for Old 24 bit Card Version: 0000000-9999999 9 Digits Numeric for Expanded 32 bit Card Version. 0000000000-9999999999	A card numbered 9898 is entered from the right e.g. 0000009898 for both 7 and 9 digit cards.	**0000000000**
Card Version	0-15	0-15	**00**

U001↓02 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
000·0·0·□·□·········
↓Save        U001↓02
```

Name	Selections	Description	Regional Settings Default
Suite Security Floor Number	0-124	Not applicable for feature sets less than 5. Greater then 5 are Director Software/Elevator, display only.	**000**
Suite Security Authority	0-7 0 Not Assigned by system 1 Undefined on the condo 2-7 Condo Authorities		**0**
Language	0–English 1–French 2–Dutch 3–Spanish		**0**
Physically Challenged	✓(yes) □ (no)		□ (no)
Addition Floor	✓(yes) □ (no)	Not applicable for feature sets less than 5. Greater then 5 are Director Software/Elevator, display only.	□ (no)

Note = Condo Floor Number is "000" and Addition Floor is "No" for a Feature Set less than five. Both will indicate active values through the Director Software if the Feature Set is greater then five and with elevator selections. Both are only for display purposes in this screen.

U001↓3 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
User's PIN number.		**Default MASTER User 001's ID is 001, PIN 7793 (PSWD)**	_ _ _ _
Re-enter User's PIN number.		To avoid incorrect fist entry.	_ _ _ _

Program Section: H001 (Holidays)

H001:00 programs the seasonal <u>spring-forward</u> (daylight savings time) date.
H002:00 programs the seasonal <u>fall-back</u> (standard time) date.

H001↓00 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
03 ·46 ·0   mm.dd···
↓Save        H001↓00
```

Name	Selections	Description	Regional Settings Default	
Month	Up to 2 digits: 01 – 12 13 = Reserved (for future e.g. Easter, Yom Kippur, etc)		N America	03
			European	03
			U.K. ACPO	03
			Aus/NZ	10
			China/H.K.	00
			Netherlands	03
			Switzerland	03
			France	03
Day	Up to 2 digits: **01 - 31**: Day of month **32 - 38**: 1st Sun–Sat of month **39 - 45**: Last Sun–Sat of month **46 – 52**: 2nd Sun–Sat of month **53 – 59**: 2nd last Sun–Sat of month **60 – 66**: 3rd Sun–Sat of month **67 – 73**: 3rd last Sun–Sat of month		N America	46
			European	39
			U.K. ACPO	39
			Aus/NZ	39
			China/H.K.	00
			Netherlands	39
			Switzerland	39
			France	39
Type	One digit 0: No access holiday 1: Holiday Type One 2: Holiday Type Two 3: Holiday Type Three		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

H002↓00 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
11 ·32 ·0   mm.dd···
↓Save        H002↓00
```

Name	Selections	Description	Regional Settings Default	
Month	Up to 2 digits: 01 – 12 13 = Reserved (for future e.g. Easter, Yom Kippur, etc)		N America	11
			European	10
			U.K. ACPO	10
			Aus/NZ	03
			China/H.K.	00
			Netherlands	10
			Switzerland	10
			France	10

H002↓00 Keypad Selections

Day	Up to 2 digits: **01 - 31**: Day of month **32 - 38**: 1st Sun–Sat of month **39 - 45**: Last Sun–Sat of month **46 – 52**: 2nd Sun–Sat of month **53 – 59**: 2nd last Sun–Sat of month **60 – 66**: 3rd Sun–Sat of month **67 – 73**: 3rd last Sun–Sat of month		N America	32
			European	39
			U.K. ACPO	39
			Aus/NZ	39
			China/H.K.	00
			Netherlands	39
			Switzerland	39
			France	39
Type	One digit 0: No access holiday 1: Holiday Type One 2: Holiday Type Two 3: Holiday Type Three		N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0

H003:00 – H050:00 are blank

Program Section: D001 (Schedules)

D001↓00 Keypad Selections
(left to right on keypad screen) **Example:**

```
□ · 000 · 000 · 000 · 0
↓Save          D001↓00
```

Name	Selections	Description	Regional Settings Default
Schedule Defined	✓(yes) □ (no)		□ (no)
Holiday Schedule*	000- 252 = Schedule Number		**000**
Holiday Schedule*	000- 252 = Schedule Number		**000**
Holiday Schedule*	000- 252 = Schedule Number		**000**
Midnight Holiday Mode	0=Holiday takes effect only after current scheduled ends. 1=Holiday always takes effect at midnight.		**0**

000 – No access; 251– Normal holiday access schedule; 252 – Always access holiday.

D001↓01 – 06 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Schedule starting time and stopping time.	Time Values: **00:00** = Midnight up to **23:50** = 11:50 p.m. Entering **99:90** in Start and Stop will disable the schedule.		**99:90 99:90** (00:00) (00:00) (Start) (Stop)
Weekdays that schedule applies.	✓(yes) □ (no)	□ □ □ □ □ □ □ Sun – Sat in which a schedule is in effect.	□ (no) 7 days of the week starting with Sunday

Assign the schedule number to an area in **A0xx↓03.**

Program Section: T080 (Custom Inputs)

T080↓00 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
0·00·0·□ □ □ ······
↓Save        T080↓00
```

Name	Selections	Description	Regional Settings Default	
Level	0: 24 hr, 1: Stay & On, 3: On Only	When the input will be monitored.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	1
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Characteristics	See Custom Input Characteristic Types list.	What the special input will do.	N America	00
			European	Custom point # 1 = 40, # 2 = 10)
			U.K. ACPO	Custom point # 1 = 40, # 2 = 10)
			Aus/NZ	00
			China/H.K.	Custom point # 1 = 40, # 2 = 10)
			Netherlands	Custom point # 1 = 40, # 2 = 10)
			Switzerland	Custom point # 1 = 40, # 2 = 10)
			France	Custom point # 1 = 40, # 2 = 10)
Class	0: Fire Class A (Double Loop); 1: Fire; 2: Hold Up; 3: Aux. Alert; 4: Vault / Safe; 5: Burglary; 6: Supervisory	How the input will report to the Monitoring Station.	N America	0
			European	Custom point # 1 = 6, # 2 = 5
			U.K. ACPO	Custom point # 1 = 6, # 2 = 5
			Aus/NZ	5
			China/H.K.	Custom point # 1 = 6, # 2 = 5
			Netherlands	Custom point # 1 = 6, # 2 = 5
			Switzerland	Custom point # 1 = 6, # 2 = 5
			France	Custom point # 1 = 6, # 2 = 5
Bypassable	✓(yes) □ (no)	Can this input be bypassed?	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	✓(yes)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Chime	✓(yes) □ (no)	Will this input cause keypads to sound when it is opened? (E.g. entry door)	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	✓(yes)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

T080↓00 Keypad Selections

Pre-Alarm Warning	✓ (yes) ☐ (no)	Will this input supply a warning alert delay (keypad sounds), so it can be reset before reporting to the Monitoring Station	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

Custom Input Characteristic Types

Characteristic Types: 00: Entry/Exit Door; 01: 1 sec(s); 02: 2s; 03: 3s; 04: 5s; 05: 10s; 06: 15s; 07: 20s; 08: 30s; 09: 45s; (09: China/ HK=40 sec) 10: 60s; 11: 90s; (11: China/ HK=100 sec) 12: 2 min(m); 13: 3m; 14: 5m; 15: 10m; 16: 15m; 17: 20m; 18: 30m; 19: 45m; 20: 60m; 21: 90m; 22: 2 hr(h); 23: 4h; 24: 6h; 25: 8h; 26: 10h; 27: 12h; 28: 16h; 29: 20h; 30: 1 day; 31: 1 week; 32: garage; 33: E/E route; 35: FAP (6sec/20min); 37: E/E route FAP; 39: Activity Monitor; 40: Command Point; 41: Arming Keyswitch; 42: Guard Tour Point; 43: Work Late Function.

Entry/Exit Doors: The 'Entry/Exit Door' selection (characteristic type = 00) is normally used with doors that are monitored, but not electronically controlled for personnel access. For access-controlled doors, a dedicated 'Door Contact' input is provided on the door-control module (which does not need to be set up as an input point). Readers & doors are set up via R001 - R032.

Also, an E/E door type-of-point cannot be set for a 24-hr monitoring level (this will 'undefine' the custom point type). As well, with E/E doors, the custom bypass selection can be applied to a custom E/E door type to make it bypassable.

Garage Points: The 'garage' selection (type = 32) refers to garage door sensors. With these inputs, the 'garage' delay setting will apply (see **A0xx:01**), and the area can be armed while the point is tripped (the garage sensor will be armed after the door is closed).

FAP: (False Alarm Preventer) If a FAP input is not OK longer than 10 seconds, an alarm condition occurs. If a FAP input is triggered and immediately resets, a 20 minute timer begins. If the same device is tripped or a different FAP device trips in the same 20 minutes, an alarm occurs.

Activity Monitor: activation informs the system that the area this point is connected to is still occupied. Used in conjunction with A0xx:07. Activity Monitor and Custom Point Type "Level" selections: 0: 24hr: – 24 hr Activity Monitor – activity point always active (ON, STAY and OFF). 1: Stay & On – Activity Monitor when area OFF, standard alarm when in STAY and ON. 3: On Only – Activity Monitor when area OFF & STAY, standard alarm when ON.

Command Point: Command Points are only configurable through the Director software. **WARNING:** Never attempt to edit a Command point name at a keypad or it may fail to operate.

Keyswitch Operation: If the type is set to 41 (Keyswitch), the 'level' setting specifies whether the switch will arm (1), or disarm (0) the area associated with the specific input point. Furthermore, if the custom-type is set to "Chime (√)", and the area is set for

"Stay on Fail to Exit", the area will be armed to 'Stay' if no users exit after turning the switch (not-Ok to Ok).

Conversely, if the custom-type is set to NOT chime (☐), the "Stay on Fail to exit" setting will be ignored (the area will fully arm to 'On'). **NOTE:** With an arming keyswitch, disarming is typically done through an LCD keypad.

Guard Tour Points: For an input point to be used in a guard tour, it requires a custom point type with the 'type' set as **42** (Guard Tour Point). For this application, the 'class' should be set as "Supervisory", and the 'level' will typically be set as "24 hr". Also note that, in this case, any "TX" selections will be ignored (guard-tour point activity is referenced only by the Director software during the guard tour).

Work Late Function: This custom type can be assigned to e.g. a motion detector in an area that is off but is in its LCD keypad, closing time warning, at the last 15 min of its schedule. If this motion detector is tripped because area occupants are working late, it will delay the scheduled closing time. To set the Worklate Time Extension for 'work late' points in an area, refer to **A0xx:01** under "A001 - A016 (Areas and Related Settings)". **NOTE:** The Custom Type "Level" can only be set to "Stay & On" or "On" for this point. Setting it for 24hr will result in repeated alarms. When the area is armed, this pt type converts to a standard burg point.

Chime: This setting is often used with Entry points/routes (so persons know that someone has entered the area).

Pre-Alarm Warning: For associated input-points, alarm transmission (to the central station) will be delayed as per the "Pre-Alarm Delay" setting (for the specific 'area'). During the delay, keypad sonalert(s) will be sounded, giving an authorized user time to "Silence" the alarm at a keypad. (Selecting "Verify User" will cancel the alarm transmission.)

To set the "Pre-alarm Delay" time for a specific area, refer to **A0xx:01** under "A001 - A016 (Areas and Related Settings)". To set the areas to be monitored by a specific keypad, refer to **M0xx:01** under "M001 - M024 (Modules and Related Settings)".

T080↓01 How the input will behave when it is active.
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Transmit in OFF	✓ (yes) ☐ (no)	Reporting to the Monitoring Station	Refer to the following tables.
Transmit in STAY	✓ (yes) ☐ (no)	Reporting to the Monitoring Station	
Transmit in ON	✓ (yes) ☐ (no)	Reporting to the Monitoring Station	
Sonalert in OFF	✓ (yes) ☐ (no)	Keypad sounder active	
Sonalert in STAY	✓ (yes) ☐ (no)	Keypad sounder active.	
Sonalert in ON	✓ (yes) ☐ (no)	Keypad sounder active.	
Siren in OFF	✓ (yes) ☐ (no)	System siren active.	
Siren in STAY	✓ (yes) ☐ (no)	System siren active.	
Siren in ON	✓ (yes) ☐ (no)	System siren active.	

Default: European, UK ACPO, China/HK, Netherlands, Switzerland, France Custom Input Settings (T080↓00 and T081↓01)

Custom Input Pt.	Level	Characteristic Type	Class	Bypass	Chime	Pre-Alarm
T080↓00	0	40	6	☐ (no)	☐ (no)	☐ (no)
T081↓00	0	10	5	☐ (no)	☐ (no)	☐ (no)

Custom Input Pt.	Transmit OFF	Transmit STAY	Transmit ON	Sonalert OFF	Sonalert STAY	Sonalert ON	Siren OFF	Siren STAY	Siren ON
T080↓01	☐ (no)	☐ (no)	☐ (no)	☐ (no)	☐ (no)	☐ (no)	☐ (no)	☐ (no)	☐ (no)
T081↓01	☐ (no)	☐ (no)	✓ (yes)	✓ (yes)	☐ (no)	☐ (no)	☐ (no)	☐ (no)	☐ (no)

Default: Australia/New Zealand (T080↓01)

Custom Input Pt.	Transmit OFF	Transmit STAY	Transmit ON	Sonalert OFF	Sonalert STAY	Sonalert ON	Siren OFF	Siren STAY	Siren ON
T080↓01	✓ (yes)	✓ (yes)	✓ (yes)	✓ (yes)	✓ (yes)	✓ (yes)	✓ (yes)	✓ (yes)	✓ (yes)

Program Section: R001 (Doors)

WARNING: R001↓00 – R001↓14 Access Control related selections are only available with the addition of the "Feature Expansion Board".

R001↓00 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
00·  Door Name      1
↓Save        R001↓00
```

Name	Selections	Description	Regional Settings Default
Access Module Number	00 = Door undefined 01-24=Access Pod Module #	The door controller module associated with this reader/door.	**00**
Door Name	12 alpha-numeric characters	A suitable name/description for this reader/door.	**Blank**
Module Door Port Number	1 or 2	The 1st or 2nd door on the door controller module. This is indicated on the PCB. **Tip:** This is 1 for odd-numbered doors, and 2 for even-numbered doors.	**1**

NOTE: The second door on each door controller module is configured separately (typically R002, R004, etc.).

R001↓01,04 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
✓·01·000·0·0·✓☐☐☐
↓Save        R001↓01
```

Name	Selections	Description	Regional Settings Default	
1st Reader Defined	✓ (yes) ☐ (no)		✓ (yes)	
Reader Area	01 – 16 00 – outside area	This is the area being entered by this reader.	N America	01
			European	01
			U.K. ACPO	01
			Aus/NZ	01
			China/H.K.	01
			Netherlands	01
			Switzerland	01
			France	01

R001↓01,04 Keypad Selections

Card Lockout Schedule	00 = No scheduled lockout 01 – 250 Schedule	A schedule to specify when card access will be blocked.	N America	000
			European	000
			U.K. ACPO	000
			Aus/NZ	000
			China/H.K.	000
			Netherlands	000
			Switzerland	000
			France	000
Enable / Disable Card Type (Card Action)	00 = None, 01=Escort required, 02 =non-permanent users, 03 =all users.	Escort e.g. guard to take visitors around	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Enable / Disable Reader Type (Card Action)	If enabling reader, see *1 Note below. If disabling reader, see *2 Note below.	Reader enrolls or deletes cards.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Arming Station	✓(yes) ☐ (no)	**NOTE:** for Arming Station, bi-colour LED must be active (set). **R001↓07**, 4th selection.	N America	✓(yes)
			European	✓(yes)
			U.K. ACPO	✓(yes)
			Aus/NZ	✓(yes)
			China/H.K.	✓(yes)
			Netherlands	✓(yes)
			Switzerland	✓(yes)
			France	✓(yes)
Lockout In Schedule	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Enable / Disable Reader (Card Action)	✓(yes) ☐ (no)	See Notes 1 & 2 below	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Unlock on Enable / Disable (Card Action)	✓(yes) ☐ (no)	The reader door will unlock when a card is enabled or disabled at the reader.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

NOTE: *1: If enabling reader, 0=enable for 4 hrs, 1=enable for 8hrs, 2=enable for 12 hrs, 3=enable for 24 hrs, 4=enable for 1 week, 5=enable until midnight tonight, 6=enable permanently, 7=enable until out of window according to schedule 50.

NOTE: *2: If disabling reader, 0=disable card permanently, 1=disable card but set it so that it can be re-enabled later at an enabling station, 2= disable card permanently and trigger auxiliary output , 3= disable card enable re-enroll and trigger auxiliary output, 4 to 7 = not used, same as 1 (room for future expansion)

R001↓02, 05 Keypad Selections   (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Reader Class Map Schedule	00 = Treat as In Schedule 01 – 250 Schedule	Enter a schedule for reader-class restriction.	**000**
Group Number	00 = none, 1 – 63, Reader Group Number.		**00**
In Schedule A	✓(yes) ☐ (no)	Whether Class **A** users can enter during schedule	✓(yes)
In Schedule B	✓(yes) ☐ (no)	Whether Class **B** users can enter during schedule	✓(yes)
In Schedule C	✓(yes) ☐ (no)	Whether Class **C** users can enter during schedule	✓(yes)
Out of Schedule A	✓(yes) ☐ (no)	Whether Class **A** users can enter outside of the sched.	✓(yes)
Out of Schedule B	✓(yes) ☐ (no)	Whether Class **B** users can enter outside of the sched.	✓(yes)
Out of Schedule C	✓(yes) ☐ (no)	Whether Class **C** users can enter outside of the sched.	✓(yes)
Anti-pass Back	✓(yes) ☐ (no)	Whether cards are to be blocked against re-entry before exiting first.	☐ (no)
Log APB Violation Only	✓(yes) ☐ (no)	Whether 'Anti-pass Back violators' will be granted entry.	☐ (no)
Enable Class Checking	✓(yes) ☐ (no)	Door class (A,B,C) checking, on or off.	✓(yes)

R001↓03,06 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
000 · 000 · 2 · 2 · 0 · 0 ·
↓Save          R001↓03
```

Name	Selections	Description	Regional Settings Default
Card Mode Schedule	00 = Use as In Schedule setting 01 – 250 (Schedule)	Enter a schedule to allow cycling between different 'card' modes during the daytime, vs. after-hours.	**000**
Reader Mode Schedule	00 = Use as In Schedule setting 01 – 250 (Schedule)	Enter a schedule to allow cycling between different reader modes during the daytime, compared with after-hours.	**000**
Card Mode In Schedule	0=Card only,1= Card + PIN, 2= Card or UID/ PIN,3= UID/ PIN only	The basic method that entrants will have to use to gain entry at this door—i.e., via access token and/or by keying-in a PIN.	**2**
Card Mode Out of Schedule	0=Card only,1= Card + PIN, 2= Card or UID/ PIN, 3 = UID/ PIN only	Same as 'Card Mode In Schedule'	**2**
Reader Mode In Schedule	0=Normal,1= Dual Custody, 2= Escort, 3= Toggle Lock all user, 4= Toggle lock authorized. 5–7=Future	Sets whether a second user, or initial escort will be required to gain entry (while the schedule is active).	**0**
Reader Mode Out of Schedule	0=Normal,1= Dual Custody, 2= Escort, 3= Toggle Lock all user, 4= Toggle lock authorized. 5–7=Future	Sets whether a second user, or initial escort will be required to gain entry (outside of the schedule).	**0**

R001↓03,06 Keypad Selections

(Schedules): Select "**00**" to have the "During Schedule" selection apply all of the time.
To set up schedules or view related settings, refer to "D001 - (Schedules for Area/Access/Door Automation)".

Card Mode: For "ID/PIN only", an access token is NOT required, and the entrant must enter either their PIN or ID+PIN. For an armed area that is NOT set to 'Auto Disarm on Valid Token', the user will also have to access the alarm system and disarm the area. For details on 'Auto Disarm on Valid Token', refer to A0xx:04 (Areas and Related Settings)".

Reader Mode: For access to be granted when dual custody is in effect, two users who have the authority to enter the specific door at the present time must present their card and/or PIN at the reader. With escort mode, the second user must have "Escort" authority. (A valid 'escort' can also enter on their own by presenting their card/PIN twice.) To assign escort authority to a block of users (i.e., those assigned to a specific authority level), refer to **I001↓02** (Authority Levels for Users/Entrants)". **Tip:** "Dual Custody" is also supported referring to disarming an area. For details, refer to **A0xx↓02** (Areas and Related Settings)".

R001↓07 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
04·06·0· ✓ □□□□□□·
↓Save        R001↓03
```

Name	Selections	Description	Regional Settings Default	
Unlock Time	Delay Table	The unlock duration when a user is granted entry.	N America	04 (5 sec)
			European	04 (5 sec)
			U.K. ACPO	04 (5 sec)
			Aus/NZ	04 (5 sec)
			China/H.K.	04 (5 sec)
			Netherlands	04 (5 sec)
			Switzerland	04 (5 sec)
			France	04 (5 sec)
Challenged Unlock Time	Delay Table	The unlock duration when access is granted for a physically challenged user. Whether or not the 'Challenged' unlock time applies is based on the 'Challenged' setting for the user. For details, refer to **U001↓02** (User Name and Basic Settings)	N America	06 (15 sec)
			European	06 (15 sec)
			U.K. ACPO	06 (15 sec)
			Aus/NZ	06 (15 sec)
			China/H.K.	06 (15 sec)
			Netherlands	06 (15 sec)
			Switzerland	06 (15 sec)
			France	06 (15 sec)
Door Alarm Monitoring	0=None 1=Door Held Open Processing, 2=Door Forced processing, 3=Door Held Open and Door Forced Processing	Whether or not this door is to be monitored for forced entry and/or being held open too long.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Reader LED Mode	✓= BiColor □= Normal	Set this as ✓ yes for arming stations, and for any readers with a bicolour LED.	N America	✓(yes)
			European	✓(yes)
			U.K. ACPO	✓(yes)
			Aus/NZ	✓(yes)
			China/H.K.	✓(yes)
			Netherlands	✓(yes)
			Switzerland	✓(yes)
			France	✓(yes)
RTE Required (request to Exit)	✓(yes) □ (no)	Whether or not the RTE input will be used / monitored.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

Panel Process RTE	✓(yes) ☐ (no)	Sets the main panel to control RTE processing instead of the door controller	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Do Not Unlock Door On Process RTE	✓(yes) ☐ (no)	This setting is used with "Interlocked" doors that are equipped with an RTE button e.g. PIR RTE. For details on the 'interlock' feature, refer to **R001↓11**	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Log RTE	✓(yes) ☐ (no)	Whether 'RTE presses' are to be recorded.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Turn Style	✓(yes) ☐ (no)	Escort can use card 2nd time to enter after using once to validate at Anti-Pass Back door.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Entry Detection	✓(yes) ☐ (no)	Second try at Anti-Pass Back door if first unlock missed. I.e. door was not opened at 1st unlock.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

RTE = "Request to Exit"

R001↓08 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
06 · 10 · 14 · 0 · 0 · ☐☐
↓Save          R001↓08
```
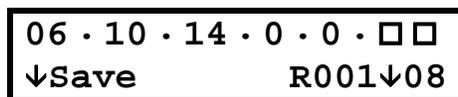
Name	Selections	Description	Regional Settings Default	
Door Held Open Time	Delay Table	How long the door can be held open after access is granted without causing an alarm.	N America	06 (15 sec)
			European	06 (15 sec)
			U.K. ACPO	06 (15 sec)
			Aus/NZ	06 (15 sec)
			China/H.K.	06 (15 sec)
			Netherlands	06 (15 sec)
			Switzerland	06 (15 sec)
			France	06 (15 sec)

Challenged Door Held Open Time	Delay Table	How long the door can be held open without causing an alarm after a physically-challenged user enters. Whether or not the 'Challenged' door held open time applies is based on the 'Challenged' setting for the user. For details, refer to **U001↓02** ("Physically Challenged" setting).	N America	10 (1 min)
			European	10 (1 min)
			U.K. ACPO	10 (1 min)
			Aus/NZ	10 (1 min)
			China/H.K.	10 (1 min)
			Netherlands	10 (1 min)
			Switzerland	10 (1 min)
			France	10 (1 min)
Auxiliary Relay Output Time	Delay Table	How long the door can be held open after access is granted without causing an alarm.	N America	14 (5 min)
			European	14 (5 min)
			U.K. ACPO	14 (5 min)
			Aus/NZ	14 (5 min)
			China/H.K.	14 (5 min)
			Netherlands	14 (5 min)
			Switzerland	14 (5 min)
			France	14 (5 min)
Auxiliary Input Mode	0=None, 1=Mag Lock Bond Sense, 2=Challenged RTE, 3= (future) Panel Control	This specifies how the auxiliary input on this door-controller module is to be used.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Auxiliary Relay Output Mode	0=None, 1=Door Held Open / Door Forced **, 2=Door Opener *, 3=future	Operation of the alarm relay on the door-controller module **NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Reader Tamper Required	✓(yes) ☐ (no)	Whether or not this reader tamper input is to be monitored.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Reader tamper as Panel Input	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

* Turns on output in this mode when auxiliary input mode is set to challenged RTE and auxiliary input is activated.
** Turns on output in this mode when the condition specified in Door Processing Mode is detected.

R001↓09 Keypad Selections   (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Door Forced / Held Time	Delay Table	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	00
			European	00
			U.K. ACPO	00
			Aus/NZ	00
			China/H.K.	00
			Netherlands	00
			Switzerland	00
			France	00
Door Circuit	0=NC 1=NC/EOL 2=NO/EOL & Form-C SEOL 3=Form-C DEOL	The type of circuit/wiring being used with the door contact.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
RTE Circuit (request to exit)	0=NC 1=NC/EOL 2=NO/EOL & Form-C SEOL 3=Form-C DEOL	The type of circuit/wiring being used with the RTE input.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Reader Tamper Circuit	0=NC 1=NC/EOL 2=NO/EOL & Form-C SEOL 3=Form-C DEOL	The type of circuit/wiring being used with the reader tamper.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Auxiliary Circuit	0=NC 1=NC/EOL 2=NO/EOL & Form-C SEOL 3=Form-C DEOL	The type of circuit/wiring being used with the aux. input.	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Do Not Lock on Door Closure	✓(yes) □ (no)	**NOTE:** Programming selections whose boxes are grey are not available for this version.	N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)
Insertion Reader	✓(yes) □ (no)		N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

R001↓09 Keypad Selections

Force Door Buzzer stops on Closure	✓(yes) □ (no)		N America	□ (no)
			European	□ (no)
			U.K. ACPO	□ (no)
			Aus/NZ	□ (no)
			China/H.K.	□ (no)
			Netherlands	□ (no)
			Switzerland	□ (no)
			France	□ (no)

Legend: 0 = NC: Circuit type 0 (Normally Closed), 1 = NC/EOL: Circuit type 1 (Normally Close with EOL), 2 = NO/EOL: Circuit type 2 (Normally Open with EOL and Form C Single EOL), 3 = Circuit type 3 (Form C Dual EOL).

R001↓10 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
000·0·0·1·2·□□□·
↓Save        R001↓10
```

Name	Selections	Description	Regional Settings Default	
Unlock Mode Schedule	000 = In Schedule setting 001 – 250 (Schedule)	Enter a schedule for automated door unlocking.	N America	000
			European	000
			U.K. ACPO	000
			Aus/NZ	000
			China/H.K.	000
			Netherlands	000
			Switzerland	000
			France	000
Unlock In Schedule	0=Lock, 1=Unlock, 2=Pending First User, 3=Area is OFF, 4=Area Stay/OFF	The unlock mode for while the schedule is active (or 24 hrs).	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Unlock Out of Schedule	0=Lock, 1=Unlock, 2=Pending First User, 3=Area is OFF, 4=Area Stay/OFF	The unlock mode for after-hours (outside of the sched.)	N America	0
			European	0
			U.K. ACPO	0
			Aus/NZ	0
			China/H.K.	0
			Netherlands	0
			Switzerland	0
			France	0
Arming Level	0=Not legal, 1= Stay/On 2= Future 3= On only	Select the area arming levels for this door to be monitored.	N America	1
			European	1
			U.K. ACPO	1
			Aus/NZ	1
			China/H.K.	1
			Netherlands	1
			Switzerland	1
			France	1
Token Format	0=none, 1=future (dallas), 2=weigand 3=mag	This is the type of tokens and readers associated with this door.	N America	2
			European	2
			U.K. ACPO	2
			Aus/NZ	2
			China/H.K.	2
			Netherlands	2
			Switzerland	2
			France	2

Detect Wandering Patient	✓ (yes) ☐ (no)	Enable wandering patient(s) detection.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Lock On Wandering Patient	✓ (yes) ☐ (no)	This allows having the door lock when a wandering patient is detected.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
In/Out Station	✓ (yes) ☐ (no)	For a reader used to log personnel entries & exits only. This refers to a 'time-clock' or 'In/Out Status' application for a reader that is typically NOT wired to a door lock.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

R001↓11 Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Interlock Required	✓ (yes) ☐ (no)	A second interlock door can not be opened until the interlock door that was first opened is closed.	N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Interlocked Door 1	00 – 32 00 - No interlock 1-32 (Door Number)		N America	01
			European	01
			U.K. ACPO	01
			Aus/NZ	01
			China/H.K.	01
			Netherlands	01
			Switzerland	01
			France	01
Interlocked Door 2	00 – 32 00 - No interlock 1-32 (Door Number)		N America	01
			European	01
			U.K. ACPO	01
			Aus/NZ	01
			China/H.K.	01
			Netherlands	01
			Switzerland	01
			France	01
Interlocked Door 3	00 – 32 00 - No interlock 1-32 (Door Number)		N America	01
			European	01
			U.K. ACPO	01
			Aus/NZ	01
			China/H.K.	01
			Netherlands	01
			Switzerland	01
			France	01

R001↓11 Keypad Selections

Interlock Delay	Delay Table (Selections: 00-31)		N America	06 (15 min)
			European	06 (15 min)
			U.K. ACPO	06 (15 min)
			Aus/NZ	06 (15 min)
			China/H.K.	06 (15 min)
			Netherlands	06 (15 min)
			Switzerland	06 (15 min)
			France	06 (15 min)

R001↓12 Keypad Selections Held Open Door Processing (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Held Open Processing Transmit Off	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Held Open Processing Transmit Stay	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Held Open Processing Transmit On	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Held Open Processing Siren Off	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Held Open Processing Siren Stay	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Held Open Processing Siren On	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

Held Open Processing Alert Off	✓(yes) ☐ (no)		N America	✓(yes)
			European	✓(yes)
			U.K. ACPO	✓(yes)
			Aus/NZ	✓(yes)
			China/H.K.	✓(yes)
			Netherlands	✓(yes)
			Switzerland	✓(yes)
			France	✓(yes)
Held Open Processing Alert Stay	✓(yes) ☐ (no)		N America	✓(yes)
			European	✓(yes)
			U.K. ACPO	✓(yes)
			Aus/NZ	✓(yes)
			China/H.K.	✓(yes)
			Netherlands	✓(yes)
			Switzerland	✓(yes)
			France	✓(yes)
Held Open Processing Alert On	✓(yes) ☐ (no)		N America	✓(yes)
			European	✓(yes)
			U.K. ACPO	✓(yes)
			Aus/NZ	✓(yes)
			China/H.K.	✓(yes)
			Netherlands	✓(yes)
			Switzerland	✓(yes)
			France	✓(yes)

R001↓13 Keypad Selections Forced Open Door Processing
(left to right on keypad screen) **N America Example:**

```
☐☐☐ · ☐☐☐ · ✓✓✓.....
↓Save          R001↓13
```

Name	Selections	Description	Regional Settings Default	
Forced Open Processing Transmit Off	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Forced Open Processing Transmit Stay	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Forced Open Processing Transmit On	✓(yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

R001↓13 Keypad Selections

Forced Open Processing Siren Off	✔ (yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Forced Open Processing Siren Stay	✔ (yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Forced Open Processing Siren On	✔ (yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)
Forced Open Processing Alert Off	✔ (yes) ☐ (no)		N America	✔ (yes)
			European	✔ (yes)
			U.K. ACPO	✔ (yes)
			Aus/NZ	✔ (yes)
			China/H.K.	✔ (yes)
			Netherlands	✔ (yes)
			Switzerland	✔ (yes)
			France	✔ (yes)
Forced Open Processing Alert Stay	✔ (yes) ☐ (no)		N America	✔ (yes)
			European	✔ (yes)
			U.K. ACPO	✔ (yes)
			Aus/NZ	✔ (yes)
			China/H.K.	✔ (yes)
			Netherlands	✔ (yes)
			Switzerland	✔ (yes)
			France	✔ (yes)
Forced Open Processing Alert On	✔ (yes) ☐ (no)		N America	✔ (yes)
			European	✔ (yes)
			U.K. ACPO	✔ (yes)
			Aus/NZ	✔ (yes)
			China/H.K.	✔ (yes)
			Netherlands	✔ (yes)
			Switzerland	✔ (yes)
			France	✔ (yes)

R001↓14 Keypad Selections Magnetic Lock Alarm Processing (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default	
Mag Lock Processing Transmit Off	✔ (yes) ☐ (no)		N America	☐ (no)
			European	☐ (no)
			U.K. ACPO	☐ (no)
			Aus/NZ	☐ (no)
			China/H.K.	☐ (no)
			Netherlands	☐ (no)
			Switzerland	☐ (no)
			France	☐ (no)

Mag Lock Processing Transmit Stay	✓(yes) ☐ (no)			N America	☐ (no)
				European	☐ (no)
				U.K. ACPO	☐ (no)
				Aus/NZ	☐ (no)
				China/H.K.	☐ (no)
				Netherlands	☐ (no)
				Switzerland	☐ (no)
				France	☐ (no)
Mag Lock Processing Transmit On	✓(yes) ☐ (no)			N America	☐ (no)
				European	☐ (no)
				U.K. ACPO	☐ (no)
				Aus/NZ	☐ (no)
				China/H.K.	☐ (no)
				Netherlands	☐ (no)
				Switzerland	☐ (no)
				France	☐ (no)
Mag Lock Processing Siren Off	✓(yes) ☐ (no)			N America	☐ (no)
				European	☐ (no)
				U.K. ACPO	☐ (no)
				Aus/NZ	☐ (no)
				China/H.K.	☐ (no)
				Netherlands	☐ (no)
				Switzerland	☐ (no)
				France	☐ (no)
Mag Lock Processing Siren Stay	✓(yes) ☐ (no)			N America	☐ (no)
				European	☐ (no)
				U.K. ACPO	☐ (no)
				Aus/NZ	☐ (no)
				China/H.K.	☐ (no)
				Netherlands	☐ (no)
				Switzerland	☐ (no)
				France	☐ (no)
Mag Lock Processing Siren On	✓(yes) ☐ (no)			N America	☐ (no)
				European	☐ (no)
				U.K. ACPO	☐ (no)
				Aus/NZ	☐ (no)
				China/H.K.	☐ (no)
				Netherlands	☐ (no)
				Switzerland	☐ (no)
				France	☐ (no)
Mag Lock Processing Alert Off	✓(yes) ☐ (no)			N America	✓(yes)
				European	✓(yes)
				U.K. ACPO	✓(yes)
				Aus/NZ	✓(yes)
				China/H.K.	✓(yes)
				Netherlands	✓(yes)
				Switzerland	✓(yes)
				France	✓(yes)
Mag Lock Processing Alert Stay	✓(yes) ☐ (no)			N America	✓(yes)
				European	✓(yes)
				U.K. ACPO	✓(yes)
				Aus/NZ	✓(yes)
				China/H.K.	✓(yes)
				Netherlands	✓(yes)
				Switzerland	✓(yes)
				France	✓(yes)

R001↓14 Keypad Selections

Mag Lock Processing Alert On	✓(yes) ☐ (no)		N America	✓(yes)
			European	✓(yes)
			U.K. ACPO	✓(yes)
			Aus/NZ	✓(yes)
			China/H.K.	✓(yes)
			Netherlands	✓(yes)
			Switzerland	✓(yes)
			France	✓(yes)

Program Section: G001 (Group Area)

For use with corresponding areas G001 – G016.

G0xx↓00 Keypad Selections   NOTE: "xx" represents the area number.
(left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Enable Group Area	0 (no) 1 (yes)	For use with Area Group Mode S001↓08	**0** (no)
Area Group Name	(12 characters)		**Blank**

G0xx↓01 Keypad Selections (left to right on keypad screen)
NOTE: "xx" represents the area number.

Name	Selections	Description	Regional Settings Default
Area 1 to Area 16	✓(yes) ☐ (no)	Select the areas that will apply to Area Group Mode.	☐ (no) All Areas

Program Section: Q001 (Floor Maps)

Q001↓00 Keypad Selections
(left to right on keypad screen) **N America Example:**

```
000················
↓Save      Q001↓00
```

Name	Selections	Description	Regional Settings Default
Schedule	000 = none, 001-250 = schedule #		**000**

Q001↓01 – 08 Floor Map
Keypad Selections (left to right on keypad screen)

Name	Selections	Description	Regional Settings Default
Floor 1 to 16	✓(yes) ☐ (no)	1-16 up to 124	☐ (no) All Floors

The following program sections are only applied using the Director Software and Feature Expansion Board. Displays in these keypad programming screens are for viewing only.

C001 - C060 (Suite Security LED Keypads)   Condominium

Suite Security LED keypad modules provide security and monitoring features for up to 60 individual suite units associated with a specific main panel. 8 Zone suite security LED keypads support 8 monitored sensors/inputs, 2 programmable outputs, and 3 'panic keys'. '2 Zone' LED units support 2 monitored sensors/inputs, one panic key, and one programmable output.

These "Suite Security" keypads can be set up **only** through the Director Software (subject to your software version and licensing agreement). For details, refer to the on-line help or User's Guide for your Director Software.

Each panel supports all 8 zone or 2 zone or a mixture of both at a maximum of 60 Suite Security LED keypads (with no other modules). If suite security LED keypads are to be mixed with other modules, the suite security capacity will be reduced by **5** for each system LCD keypad, and each other expansion / application module that is added. (For example, with 2 system keypads, 3 door controllers, and one point expansion module, a full-capacity "Enterprise" system could still support 30 suite security units).

Suite Security units are **not** associated with any system 'Areas' or related schedules or settings. All settings that affect suite security-keypad operation are defined through the "Suite Security" screen of the Director Software. Suite Security LED keypads are **NOT** associated with the "Module" screens in any way.

UL / ULC Listed Installations: UL and ULC testing is pending on suite security LED keypads and related features.

V001 - V032 (Elevators/Lifts)

Elevator controller modules provide security and monitoring features for elevator (lift) cabs and associated floors. These units can be set up **only** through the Director Software (subject to your software version and licensing agreement). For details, refer to the on-line help or User's Guide for your Director Software.

Each system can include up to **32** elevators, and a total of up to **124** access-controlled floors. Exception: The elevator capacity is shared with doors (max. 32 combined). Doors also share the elevator numbering (and panel memory space). Numbers already defined as doors will not be available for elevators.

With access-controlled elevators, floor call-buttons are disabled until an authorized person presents their access card. When the card is presented, the specific floors for that person will become available.

UL / ULC Listed Installations: As of this writing, UL and ULC testing is pending on elevator (lift) controllers and related features.

F001 - F124 (Floors)

Systems with elevator controllers can include up to 124 access-controlled floors. These can be in a single building, or the combined total for multiple buildings. Elevator controllers and floors can be set up **only** through the Director Software (subject to your software version and licensing agreement). For details, refer to the on-line help or User's Guide for your Director Software.

Floors can be set to allow free access during certain times based on a chosen schedule. As well, the status & control feature of the Director Software allows manually setting floors to allow free access, or apply controlled-access, as desired.

UL / ULC Listed Installations: As of this writing, UL and ULC testing is pending on elevator (lift) controllers and related features.

Z001 - Z003 (Shared User Data)

Allows Users, Authority Levels and Holidays to be shared across multiple accounts using Director version 4.2. With Director V4.2, this feature is limited to panel feature-set 2, 3, and 4 (1 panel per account, max. 1000 users, etc.). Information for this type of system set-up is available in the v4.2 Director's User Guide.

Shared Users, Authority Levels and Holidays are considered to be under Director control and not panel control. Programming for this selection is not done in the LCD keypad configuration screens. Programming is only done for these selections with the use of the Director software and sent to the panel.

Initiating a "Get from Panel" from the Director software cannot be done for the following reasons:

Shared Users and Holidays

- If changes for these selections have been made at the panel using an LCD keypad and a Get from Panel is done at the Director software, the new information in the panel will be ignored and overwritten with the server's old information.

Shared Authority Levels

- Shared Authority Levels that are not in the panel will have any new information that has been entered into the server data base for their Areas and Schedules cleared.

Panels with Firmware Earlier than v4.2 and a Get from Panel is Done:

1. If a Shared User has been edited at the panel, only their PIN will be updated. The server will replace any of the other user's data with the server's old information.
2. If a Shared Authority Level is deleted at the panel, any new and valid information for the Authority Level's Areas and Schedules will be cleared at the server and the panel.

Keypad Operations at Panels with v4.2 Firmware

1. Only a Shared User's PIN can be edited at the panel and only by that Shared User.

Shared Authority Levels cannot be deleted at the panel.

Transmitted Messages (SIA & Contact-ID)

General Message Format

Messages are transmitted to the monitoring station using either the "SIA Level II" or "Contact ID" format.

NOTICE: The message formats described here are NOT to be confused with messages provided by the receiver software. (Those messages will typically *__include__* the information discussed here, along with date/time information and proprietary formatting.)

SIA Level II Format

Messages that reference an area: **N ri$SSSS$ / XX PPP**

System Messages (no area reference):   **N XX PPP**

Where:

N	This indicates a "new event".
Ri	This indicates "area" (i.e., the next number is an area reference).
SSSS	This is the area number/ID.
XX	This is a two-character SIA alarm code (refer to the SIA message list).
PPP	This is the number/ID for the input point or user associated with the event, or optional information (depending on the type of event).

Sample Messages	Meaning
N ri2 / BA 227	Burg. alarm associated with area 2; door 27. (Also see "Door Activity", to follow.)
N ri4 / BA 73	Burg. alarm associated with area 4; input-point 73.
N UX2	Digital dialer communications test signal.

When creating an account message template: Enter only the two-digit SIA code. (The "N" is processed automatically by the receiver.)

Account Number Information: This is sent in another message-type, and is automatically understood by the receiver software.

User IDs 998 and Higher: The SIA format supports unique user numbers up to 997 only (998 and above will appear as "998"). User ID "999" is considered to be the "automatic user"--which means an event that was triggered by the system.

Contact ID Format

All CID-Format Messages: **CCCC QEEE GG ZZZ**

Where:

CCCC	The account number
Q	An event qualifier: "1" is a new event (shown as "E" in the contact-ID message list), and "3" means a restoral (shown as "R" in the list).
EEE	This is a three character CID alarm code (refer to the Contact-ID message list).
GG	This is the "area" number/ID.
ZZZ	This is the number/ID for the input point (zone) or the user associated with the event.

Sample Messages	Meaning
1234 1110 02 003	Account 1234, Fire Alarm detected in area 02 by input-point 003.
1234 1301 01 000	Account 1234, AC trouble (reported as Area 1 by default)
1234 3301 01 000	Account 1234, AC restoral (reported as Area 1 by default)

When creating an account message template: Enter only the three-digit CID code. (The leading event qualifier is processed automatically by the receiver.)

User IDs 998 and Higher: The CID format supports unique user numbers up to 997 only (998 and above will appear as "998"). User ID "999" is considered to be the "automatic user"--which means an event that was triggered by the system.

Door Activity

Access-controlled doors report burglar or tamper alarms as regular access door input numbers **501 through 532 for xL** systems when an area is armed. The leading digit "5" defines the activity as a burglary type alarm. The secondary two digits identify the door ID/numbers 1 to 32.

Door Forced alarms report as "burgs" but are identified by the leading digit: 3. If "door forced" is configured, it reports as "3" when the area is disarmed. It will report as a "5" followed by a "3" ("door forced" if configured) when an area is armed. 301 to 332 are door-forced alarms for doors: 1 - 32.

Door Held Open alarms report as "burgs" but are identified by the leading digit: 4. If "door held open" is configured, it reports as "4" when the area is disarmed. Like "door forced", it is possible to receive a "5" (burg) followed by a "4" ("door held", if configured) when an area is armed. 401 to 432 are door held open alarms for doors: 1 - 32. However, when an area is armed, it is not possible to receive a 5, 3 and a 4. If a door is forced, a 5 and a 3 are received. If a door is opened by an access device and held open, a 5 and a 4 are received. Similarly, restores for these alarms report as "burg restore" for door point alarms: 501 - 532, door forced alarms: 301 - 332 and door held open alarms 401 - 432.

Event Message Reference: Sorted by SIA Code

SIA	CID equiv.	Description / Meaning	Level
AR	R301	AC Trouble (E003—Restore)	Emergency
AT	E301	AC Trouble (E003)	Emergency
BA	E130	Burglary	Emergency
BR	R130	Burglary—Restore	Emergency
BS	**NEW** E389	Point-Test Fail	Emergency
BT	E383	Burglary—Tamper	Emergency
CA	**NEW** R403	Automatic Area On (Sched. Auto-arm on fail to close)	Full
CE	**NEW** E464	Work late (Closing extended)	Emergency
CF	**NEW** R402	Turn Area On (Bypass or Forced)	Full
CI	**NEW** E454	Fail to Turn Area On (Fail to Close)	Emergency
CL	**NEW** R401	Turn Area On (Normal)	Full
DG	E422	Second User Authority Granted for Dual Custody	Full
EE	E134	Fail to Exit Area	Emergency
ER	R143	Module tamper/comms/subst'n (E011--Restore)	Emergency
ET	E143	Module Trouble—tamper/comms/subst'n (E011)	Emergency
FA	E110	Fire or Fire-Class A	Emergency
FR	R110	Fire or Fire-Class A—Restore	Emergency
FT	E380	Fire or Fire-Class A—Tamper	Emergency
HA	**NEW** E121	Duress Pin	Emergency
NEW JP	E458	Verify User	Emergency
JR	E404	Schedule resumed (Stay opened resume)	Emergency
JS	E459	Schedule suspended (Stay opened suspended)	Emergency
JT	E625	Time Changed (E007)	Emergency
NEW LB	**NEW** E306	Main panel Config Changed (E008), Module Program Changed (E013)	Emergency
LR	R351	Phone Trouble (E004—Restore)	Emergency
LS	R330	Main panel Program Error (E009—Restore) **(All Regional Settings Except Netherlands)**	Emergency
LT	E351	Phone Trouble (E004)	Emergency
LU	E330	Main panel Program Error (E009) **(All Regional Settings Except Netherlands)**	Emergency
NEW LX	**NEW** R306	Main panel Config Changed (E008—Restore), Module Program Changed (E013—Restore)	Emergency
MA	E100	Aux. Alert	Emergency
MR	R100	Aux. Alert—Restore	Emergency
MT	E380	Aux. Alert—Tamper	Emergency
NF	**NEW** R456	Turn Area to Stay (Bypass or Forced)	Full
NL	**NEW** R441	Turn Area to Stay (Normal)	Full
OA	E409	Automatic Area Off (SDC5 type points)	Full
OG	E441	Turn Area to Stay from On	Full
NEW OK	**NEW** E450	Emergency Stay/Unauthorized Off (schedules)	Emergency
NEW OK	**NEW** E451	Unauthorized Stay (schedules)	Emergency
OP	E400	Turn Area Off	Full
PA	E120	Holdup	Emergency
PA or E120 with event code "**299**"		Global Lockout Alarm caused by invalid card/PIN use in Area.	Emergency
PR	R120	Holdup—Restore	Emergency
PR or R120 with event code "**299**"		Global Lockout Alarm Restore in Area.	Emergency
PT	E380	Holdup—Tamper	Emergency
QA	**NEW** E130	Vault/Safe	Emergency
QR	**NEW** R130	Vault/Safe—Restore	Emergency
QT	E380	Vault/Safe—Tamper	Emergency
ri	n/a	Area-number reference	Emergency
NEW RP	E602	Digital Dialer Comms Test	Emergency
RR	**NEW** E626	Time Lost (E006)	Emergency

RS	**NEW** R341	Module Program Error (E014—Restore) **(All Regional Settings Except Netherlands)**	Emergency
RU	**NEW** E341	Module Program Error (E014) **(All Regional Settings Except Netherlands)**	Emergency
RS	**NEW** R330	Main panel Program Error (E009—Restore), Module Program Error (E014—Restore) **(Netherlands Regional Setting ONLY)**	Emergency
RU	**NEW** E330	Main panel Program Error (E009), Module Program Error (E014) **(Netherlands Regional Setting ONLY)**	Emergency
TA	E300	Main panel Tamper (E001)	Emergency
TR	R300	Main panel Tamper (E001—Restore)	Emergency
TS	E607	Walk or Holdup Test Started (no msg at end of test)	Emergency
UA	E150	Misc/No Type	Emergency
UR	R150	Misc/No Type—Restore	Emergency
UT	E380	Misc/No Type—Tamper	Emergency
UX1	**NEW** E353	Security IP Comms Failure (Messages Lost, Sync Lost, Reset)	Emergency
XR	R384	Module Battery Low—e.g. wireless xmitr (E012—Restore)	Emergency
XT	E384	Module Battery Low—e.g. wireless transmitter (E012)	Emergency
YC	**NEW** E356	Security IP Comms Trouble (E016)	Emergency
YK	**NEW** R356	Security IP Comms Trouble (E016—Restore)	Emergency
YM	**NEW** E302	No battery (E002)	Emergency
YP	**NEW** E312	Main panel Fuse Failure (E010)	Emergency
YQ	**NEW** R312	Main panel Fuse Failure (E010—Restore)	Emergency
YR	R309	No or low battery (E002—Restore)	Emergency
NEW YS	E354	Report Delayed, dialer comms trouble (E005), Digital Dialer Comms Failure (Messages Lost)	Emergency
YT	E302	Low Battery (E002)	Emergency
NEW YX	**NEW** E140	Misc Trouble (E015)	Emergency
NEW YZ	**NEW** R140	Misc Trouble (E015—Restore)	Emergency

Event Message Reference: Sorted by CID Code

CID	SIA equiv.	Description / Meaning	Level
E100	MA	Aux. Alert	Emergency
E110	FA	Fire or Fire Class A	Emergency
E120	PA	Holdup	Emergency
E120 or PA with event code "**299**"		Global Lockout Alarm caused by invalid card/PIN use in Area.	Emergency
NEW E121	HA	Duress Pin	Emergency
NEW E130	BA QA	Burglary, Vault/Safe	Emergency
E134	EE	Fail to Exit Area	Emergency
NEW E140	**NEW** YX	Misc Trouble (E015)	Emergency
E143	ET	Module Trouble--tamper/comms/subst'n (E011)	Emergency
E150	UA	Misc/No Type	Emergency
E300	TA	Main panel Tamper (E001)	Emergency
E301	AT	AC Trouble (E003)	Emergency
NEW E302	YM YT	No, Low Battery (E002)	Emergency
NEW E306	**NEW** LB	Main panel Config Changed (E008), Module Program Changed (E013)	Emergency
NEW E312	YP	Main panel Fuse Failure (E010)	Emergency
E330	LU	Main panel Program Error (E009) **(All Regional Settings Except Netherlands)**	Emergency
NEW E330	RU	Main panel Program Error (E009), Module Program Error (E014) **(Netherlands Regional Setting ONLY)**	Emergency
NEW E341	RU	Module Program Error (E014) **(All Regional Settings Except Netherlands)**	Emergency
E351	LT	Phone Trouble (E004)	Emergency
NEW E353	UX1	Security IP Comms Failure (Messages Lost, Sync Lost, Reset)	Emergency

E354	**NEW** YS	Report Delayed, dialer comms trouble (E005), Digital Dialer Comms Failure (Messages Lost)	Emergency
NEW E356	YC	Security IP Comms Trouble (E016)	Emergency
E380	FT	Fire Class A—Tamper, **or**;	Emergency
	FT	Fire—Tamper, **or**;	Emergency
	PT	Holdup—Tamper, **or**;	Emergency
	MT	Aux. Alert—Tamper, **or**;	Emergency
	QT	Vault/Safe—Tamper, **or**;	Emergency
	UT	Misc/No Type—Tamper, **or**;	Emergency
E383	BT	Burglary —Tamper	Emergency
E384	XT	Module Battery Low—e.g. wireless transmitter (E012)	Emergency
NEW E389	BS	Point-Test Fail	Emergency
E400	OP	Turn Area Off	Full
E404	JR	Schedule resumed (Stay opened resume)	Emergency
E409	OA	Automatic Area Off (SDC5 type points)	Full
E422	DG	Second User Authority Granted for Dual Custody	Full
E441	OG	Turn Area to Stay from On	Full
NEW E450	**NEW** OK	Emergency Stay/Unauthorized Off (schedules)	Emergency
NEW E451	**NEW** OK	Unauthorized Stay (schedules)	Emergency
NEW E454	CI	Fail to Turn Area On (Fail to Close)	Emergency
E458	**NEW** JP	Verify User	Emergency
E459	JS	Schedule suspended (Stay opened suspended)	Emergency
NEW E464	CE	Work late (Closing extended)	Emergency
E602	**NEW** RP	Digital Dialer Comms Test	Emergency
E607	TS	Walk or Holdup Test Started (no msg at end of test)	Emergency
E625	JT	Time Changed (E007)	Emergency
NEW E626	RR	Time Lost (E006)	Emergency
R100	MR	Aux. Alert—Restore	Emergency
R110	FR	Fire or Fire-Class A—Restore	Emergency
R120	PR	Holdup—Restore	Emergency
R120 or PR with event code "**299**"	Global Lockout Alarm Restore (caused by invalid card/PIN use in Area).		Emergency
NEW R130	BR QR	Burglary, Vault/Safe—Restore	Emergency
NEW R140	**NEW** YZ	Misc Trouble (E015—Restore)	Emergency
R143	ER	Module tamper/comms/subst'n (E011—Restore)	Emergency
R150	UR	Misc/No Type—Restore	Emergency
R300	TR	Main panel Tamper (E001—Restore)	Emergency
R301	AR	AC Trouble (E003—Restore)	Emergency
NEW R306	**NEW** LX	Main panel Config Changed (E008—Restore), Module Program Changed (E013—Restore)	Emergency
R309	YR	No/Low battery (E002—Restore)	Emergency
NEW R312	YQ	Main panel Fuse Failure (E010—Restore)	Emergency
R330	LS	Main panel Program Error (E009—Restore) **(All Regional Settings Except Netherlands)**	Emergency
NEW R330	RS	Main panel Program Error (E009—Restore), Module Program Error (E014—Restore) **(Netherlands Regional Setting ONLY)**	Emergency
NEW R341	RS	Module Program Error (E014—Restore) **(All Regional Settings Except Netherlands)**	Emergency
R351	LR	Phone Trouble (E004—Restore)	Emergency
NEW R356	YK	Security IP Comms Trouble (E016—Restore),	Emergency
R384	XR	Module Battery Low—e.g. wireless transmitter (E012—Restore)	Emergency
NEW R401	CL	Turn Area On (Normal)	Full
NEW R402	CF	Turn Area On (Bypass or Forced)	Full
NEW R403	CA	Automatic Area On (Sched. Auto-arm on fail to close)	Full
NEW R441	NL	Turn Area to Stay (Normal)	Full
NEW R456	NF	Turn Area to Stay (Bypass or Forced)	Full

European and ACPO Installations

Restoring Tampers

Once a tamper condition occurs it will be logged within the system's history log. Tampers can be silenced by any authorized users however; a system message will scroll on the LCD display to indicate that a tamper condition had occurred: "Was in Tamper".

This message can only be cleared during a service call in the following manner:

i)   The main panel cabinet must be opened to activate the 'tamper sensor'
ii) The system will generate a tamper alarm; this must be first silenced by the authorized user.
iii) Next, the Service user ID and Pin must be entered followed by the ID and Pin of the authorized user.
iv) Close the main panel cabinet to secure the tamper sensor.

System Conditions that will Block Arming

The system will block arming when the following conditions are active:

- System Tamper
- Module Tamper
- Module Communications Failure
- Prime Power Fault
- Battery Fault
- Communicator Fault
- Detector in active / fault condition

The following conditions that block the arming can be overridden by the user:

- Detector in active / fault condition
- Prime power fault

All other blocking conditions must be either corrected or overridden by a Service Engineer.

ACPO Installation Requirements

The following is required in the UK to ensure conformity with the DD243:2004 Standard. LCD Keypad configuration screen numbers are referenced through out.

Programming:

System

- When powering up a new panel, activate the U.K. functionality. Refer to System Programming S002:00, "Panel Operation Mode" and select option "2".
- To allow disarming using ACE as described in the DD243 standard, the system must be configured for 'Supports Access + Intrusion' (Screen S002:01). **This is necessary to generate a Confirmed Alarm.**
- Pin Duress must be enabled to signal Personal Attacks and Holdups. Refer to System Programming S002:01. Select "✓ (yes)" for "Allow Duress PINS".

Authority

- Auto – Remove Bypass should be set for all user authority levels to ensure that any automatic bypasses made as a result of a DD243 are lifted when the system is disarmed. Refer to Profile Programming I0XX:01. Select "✓ (yes)" for selection 4: "Auto-Remove Bypass".

To enable user authorities to Test the siren and strobe, ensure the "✓ (yes)" is selected for the Test option in Profile Programming I0XX:0I, selection 5: "Test".

Area

- 'Stay on Fail to Exit' must be disabled so that the system will only arm if the external exit button is pushed. Refer to Area Programming A0XX:01 and ensure selection 5 is set as "☐ No".
- 'Terminate Exit Delay' must be disabled so that opening and closing the exit door will not terminate the exit delay, this should be done by pushing the exit button to terminate the exit delay. Refer to Area Group A0XX:01 selection 7 and set as "☐ No".
- 'Alarm on Fail to Exit' must be enabled to ensure that the system will indicate locally if the exit button has not been pushed. This will disarm the area to off on failure to exit properly due to not pushing the exit button. Refer to Area Group A0XX:01 selection 6 and set as "✓ (yes)".
- 'Siren Squawk on Arming' must be enabled to locally annunciate arming. Refer to Area Group A0XX:02 selection 4 and set as "✓ (yes)".

Exit Button

To setup the exit button as required in DD243 a custom point type must be first created.

- Create a custom point type in the Custom Point Programming T0XX:00 to, Level = 0 (24 hr, Always), Characteristic Type = 40 (Command Point) and Class = 6 (Supervisory).
- Assign the newly created custom point type to an appropriate input point. See Input Programming PXXX:00.

Switched Communicator Line Faults

This system provides capabilities to Enable Line Failure from switched communicators. This feature is provided on the World Wide Modem. For details please refer to Installation Instructions: 21-3611.

Output Points

When using a switched reporting unit such as the 'BT Redcare' the following is recommended:

a) Use the 8 output STU (subscriber terminal unit) REDCARE Interface on the World Wide Modem to provide the switched outputs.
b) The switched outputs can be configured to monitor the system as a whole or monitor just a single area. The following is the recommended configuration.

See "B001 – B128 Programmable Outputs" section for output programming instructions.

System Wide

Unit Input:	Alarm Type:	System Output Code:
1	Fire	59
2	Personal Attack	60
3	Unconfirmed Alarm (Intruder)	61
4	Set / Unset Open / Close (Intruder) – System Setting	62
5	Freezer or Fire Fault	63
6	Circuit Bypassed (Intruder)	64
7	Confirmation (Intruder)	65
8	Spare	
System Siren		66
Confirmed Alarm Strobe		67

Area Monitoring

Unit Input:	Alarm Type:	Area Output Code:
1	Fire	65
2	Personal Attack	66
3	Unconfirmed Alarm (Intruder)	67
4	Set / Unset Open / Close (Intruder) – System Setting	68
5	Freezer or Fire Fault	69
6	Circuit Bypassed (Intruder)	70
7	Confirmation (Intruder)	71
8	Spare	
System Siren		63
Confirmed Alarm Strobe		64

Resetting Confirmed Alarms.

Once a confirmed alarm occurs at a site, the user will be able to disarm and silence the system; the confirmed alarm strobe output will also turn off. However, arming will be blocked until reset by an Engineer during a service call in the following manner:

i) The main panel cabinet must be opened to activate the 'tamper sensor'
ii) The system will generate a tamper alarm; this must be first silenced by the authorized user.
iii) Next, the Service user ID and Pin must be entered followed by the ID and Pin of the authorized user.
iv) Select "Reset Confirmed Alarm".
v) Close the main panel cabinet to secure the tamper sensor.

Remote Reset
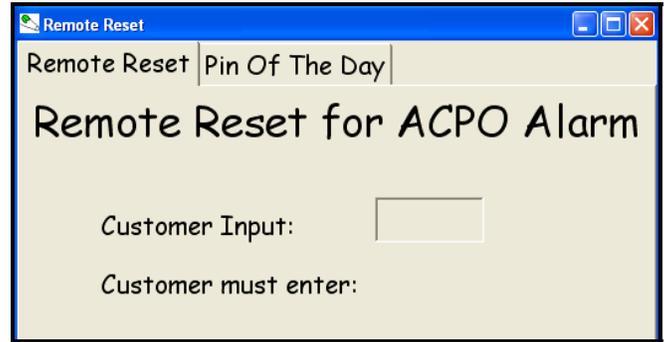
For customers who would rather reset the ACPO alarm themselves, instead of a service/engineer person attending and doing it.

- When the ACPO alarm occurs, the LCD keypad screen will display a 6 digit code.
- The customer notifies the monitoring station with this number.
- The monitoring station enters the number in this program's "Customer Input:" box and generates a response 6 digit number.
- The monitoring station gives this response number to the customer who enters it into the keypad and can reset the ACPO alarm.

Pin of the Day
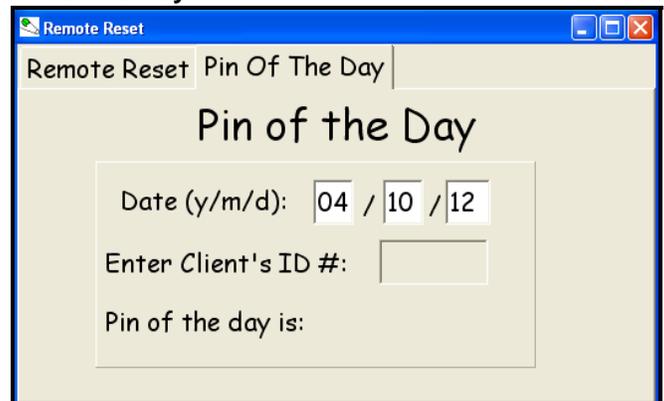
For Dealers to protect their sites.

- "Pin of the Day" is selected in **S002↓01.** A Dealer ID is entered in program section **S002↓04**.
- The Dealer notifies the monitoring station for a Pin of the Day to access the control unit box.
- The monitoring station enters the Dealer's ID number in this program's "Enter Client's ID#:" box and presses Enter on the computer keyboard. This will generate a response 6 digit number next to "Pin of the Day is:".
- The monitoring station gives this response number to the Dealer.
- The Dealer tampers the control box by opening its door.
- The Dealer enters the 6 digit Pin of the Day at the keypad to silence the tamper alarm and can then begin his work.
- This Pin of the Day will last 24 hours from the time it is initiated at the site.

- The Date of the Pin of the Day program and the site's system date on its keypad must be the same.

UK ACPO Pin of the Day
- When a UK system is started up for the first time and the new system initialization (explained in Simplified Installation Guide: "Powering On the System for the First Time") is done selecting UK as the region, the service and master user will need to log on to silence the system.
- After which, the date and time will display on the keypad for entering.
- After the date and time are entered and e.g. a service user has to log on to do programming at the keypad, as soon as they enter their ID, Pin of the Day will be requested.
- The service user will call the Pin of the Day program operator who can enter default "24822" as the new system's default Dealer ID until a unique one can be entered at the keypad or downloaded from the Director software later.
- The service user enters random, 6 digit Pin of the Day number given to them by the operator at the keypad and can then access the system menus and configurations.

Index

NOTE: Index selections are: "Advanced" for Advanced Programming Selections, "Simplified" for Simplified Programming Selections.

WARNING: Access Control, Elevator and Suite Security selections are only available with the addition of the "Feature Expansion Board" to the System.

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