

NetworX[™] Series NX-1710E Single Door Control

Installation and Startup Manual

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Symbol Legend

A Warning	Indicates a procedure, practice, condition, or statement that, if not strictly observed, could result in personal injury. * This symbol indicates electrical warnings and cautions.
A Caution	Indicates a procedure, practice, condition, or statement that, if not strictly observed, could result in damage to or destruction of equipment or property. ** This symbol indicates general warnings and cautions.
<i>⊯</i> Note	Indicates an essential or important procedure, instruction, condition, or statement.
Ŕ	Indicates a user tip. Provides helpful information that is not normally defined in regular use,
Тір	but from an experienced user.
Ċ	
Enter	Indicates a key or button should be pressed to enter data.
Enter	

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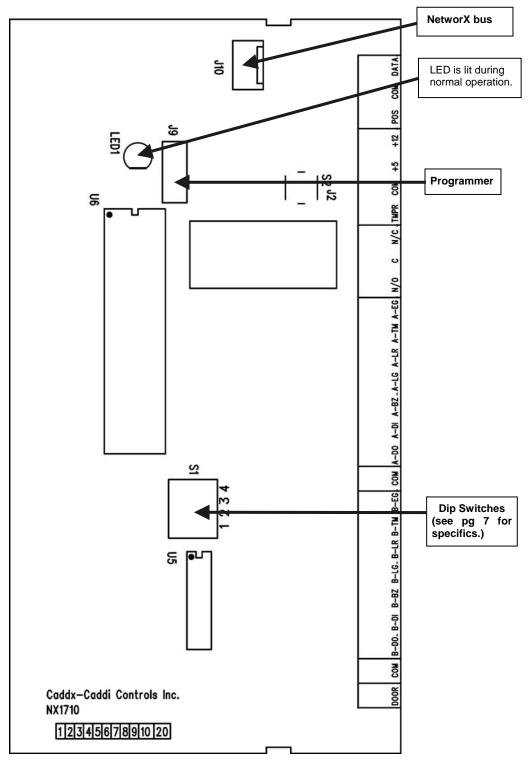
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I. GENERAL DESCRIPTION

The NetworX NX-1710E is a single door control module used to expand the capabilities of the NetworX control panels.

- Flash-based microprocessor for reprogramming ability via In-Circuit Serial Programming[™] header
- +5 VDC and +12 VDC outputs
- 4-position dip switch which allows addressing of up to 16 modules on the NetworX bus
- Box tamper switch tied to tamper terminal
- One zone input to be connected to a door contact for monitoring the door zone.
- On-board relay with Normally Open, Normally Closed, and Common terminals for use in switching power on MagLocks or other door locking mechanisms
- 8Kb of non-volatile RAM for storing programming and card data
- Two sets of terminal inputs/outputs for interfacing with one or two Wiegand card readers:
 - o 1 buzzer and 2 LED outputs
 - o 1 tamper and 1 egress input
 - 2-wire Wiegand bus interface. *Æ* Readers must be able to "speak" Wiegand. The following are supported Weigand formats by default:
 - ✓ 26-bit standard Weigand
 - ✓ 27-bit Tecom ASC
 - ✓ 35-bit HID Corporate 1000
 - ✓ 37-bit HID 10304
 - ✓ 40-bit with facility code (Casi Rusco 4001)
 - ✓ 40-bit without facility code (Casi Rusco 4002)

II. BOARD LAYOUT



III. WIRING TERMINALS

To install the door control, simply wire it into the system. Refer to the following wiring table for details.

Section 2017 For the purpose of these instructions, the term "door control" refers to the NX-1710E module, and the term "reader" refers to the specific card reader attached to the system.

ĺ		DESCRIPTION							
	DATA	Connect to the NetworX control panel DATA terminal. Data-signaling terminal to all the devices on the bus.							
	СОМ	Connect to the NetworX control panel COMMON terminal. Supplies the common side of the power to the door control module.							
	POS	Connect to NetworX control panel AUX POWER + terminal. Supplies power to the door control module.							
	+12	Power to reader module, if required.							
	+5								
	СОМ	Connect to common terminal of box tamper.							
	TMPR	Box Tamper							
	N/C	Normally closed relay contact to activate door strike.	Rating:						
	С	Closed relay contact to activate door strike.	5A 125, 277V AC						
	N/O	Normally open relay contact to activate door strike.	5A 30V DC						
	A-EG	Egress input. To use this feature, connect the normally open egress s terminal and COM .	switch between this						
-	A-TM	Tamper input (from Reader "A")							
	A-LR	Red LED (LED2) control (to Reader "A"). Relay. If available, connect to LED control on reader.							
	A-LG	Green LED (LED1) control (to Reader "A"). Relay. If available, connect to LED control on reader.							
	A-BZ	Buzzer control (to Reader "A").							
	A-D1	Wiegand Data 1 terminal (from Reader "A").							
	A-D0	Wiegand Data 0 terminal (from Reader "A").							
	СОМ	Common dry contact							
	B-EG	Egress input. To use this feature, connect the normally open egress s terminal and COM .	switch between this						
	B-RM	Tamper input (from Reader "B")							
י י י	B-LR	Red LED (LED2) control (to Reader "B"). Relay. If available, connect to LED control on reader.							
	B-LG	Green LED (LED1) control (to Reader "B"). Relay. If available, connect to LED control on reader.							
	B-BZ	Buzzer control (to Reader "B").							
	B-D1	Wiegand Data 1 terminal (from Reader "B").							
-	B-D0	Wiegand Data 0 terminal (from Reader "B").							
	СОМ	Common terminal.							
	DOOR	Door contact (requires 3.3K end-of-line resistor).							

IV. ENROLLING

The NetworX control panels have the ability to automatically find and store in memory the presence of all keypads, zone expanders, wireless receivers, output modules, and any other device on the keypad buss. This allows these devices to be supervised by the control panel. To enroll the devices, enter the Program Mode using the procedure outlined in the control panel Installation Manual. When the Program Mode is exited, the NX-8 control will automatically enroll the devices. The enrolling process takes about 12 seconds, during which time the Service LED will illuminate. User codes will not be accepted during the enrolling process. Once a module is enrolled, if it is not detected by the control, the Service LED will illuminate.

V. ADDRESSING

The first thing that must be decided is the address of this particular relay/output module. This is the address that will be selected when programming the auxiliary devices. To set the addresses use the table below. Refer to Table V-1 that follows for possible addresses.

The door control unit must be powered down and powered back up in order to read new or modified dip switch settings.

Table V-1

Bus Address	D	ip Switc	g	
	1	2	3	4
128				
129	ON			
130		ON		
131	ON	ON		
132			ON	
133	ON		ON	
134		ON	ON	
135	ON	ON	ON	

Bus Address	Dip Switch Setting								
	1	2	3	4					
136				ON					
137	ON			ON					
138		ON		ON					
139	ON	ON		ON					
140			ON	ON					
141	ON		ON	ON					
142		ON	ON	ON					
143	ON	ON	ON	ON					

VI. PROGRAMMING

USING THE LED KEYPAD

ENTERING THE PROGRAM MODE		
~ * 8	•••••	Enters the Program Mode. Stay, Chime, Exit, Bypass & Cancel LEDS will flash.
Go To Program Code Factory Default is 971	•••••	If the "Go To Program Code" is valid, the "Service" LED will flash and the five function LEDs will illuminate steady. You are now in the Program Mode and ready to select the module address.

ENTERING THE MODULE ADDRESS



•••••• Enter the module address. Refer to Table V-1 for the address. The Armed LED will illuminate while it is waiting for a programming location to be entered.

LOADING THE FACTORY DEFAULTS (USER PROGRAMMING ONLY)

∽900#

 The keypad will beep 3 times indicating that the loading is in progress. The loading takes about 6 seconds.

DEFAULTING THE CARD SERIAL NUMBERS

∽920#

•••••• The keypad will beep 3 times indicating that the loading is in progress.

PROGRAMMING A LOCATION

If an attempt is made to program an invalid entry for a particular segment, the keypad sounder will emit a triple error beep (beep, beep, beep), and remain in that segment awaiting a valid entry.												
To Enter a Location:												
Ilocation #	•••••	The Armed LED will flash. If the location is valid, the "Armed" LED will extinguish, the "Ready" LED will illuminate, and the zone LED's will show the data for the first segment of this location.										
To Change Location Data:												
Cranged data	•••••	The "Ready" LED will flash to indicate a data change in process and will continue until the data is saved.										
~ *	•••••	The new data is saved. The keypad will increment and display the next segment's data.										
NOTE: Repeat these steps until the last segn	nent is reach											
To Exit a Location:												
~ #		Exits from this location. The "Ready" LED will extinguish. The "Armed" LED will illuminate waiting for a new programming location to be entered.										
To Review The Data:												
Continuity of the second se		The Armed LED will flash. If the location is valid, the "Armed" LED will extinguish, the "Ready" LED will illuminate, and the zone LED's will show the data for the first segment of this location. (Do not enter data.)										
		The next segment is displayed. Each time * is pressed, the data of the next segment will be displayed for review.										
Shortcuts: 🗁 🚺	Previous lo	cation.										
	Same locat	tion.										
	Next seque	ential location.										

EXITING THE PROGRAM MODE: Image: Constraint of the programming level. Image: Constraint of the programming level. Image: Constraint of the programming level.

USING THE LCD KEYPAD

All steps required for programming are the same as the aforementioned LED keypad. The LCD keypad display will prompt you for the data required. While in the programming mode, and not in a location, the number in parenthesis is the location you were previously changing. For example, if the display reads "Enter location, then # (5)", it is reminding you that location 5 was the last location you programmed. In feature selection data, the numbers of the enabled features will be displayed. The features **not** enabled will display a hyphen (-).

PROGRAMMING DATA TYPES

- 1. Numerical Data can take on values from 0-255 or 0-15 depending on the segment size.
- 2. Feature Selection Data is used to turn features on or off.

VII. USER CARDS

Adding and de-activating users is done through a combination of entering information at the keypad and scanning cards. Before a card can be entered, one door control on the system must be programmed with User Card Programming enabled (Location 3, Segment 1, Option 1, page 14).



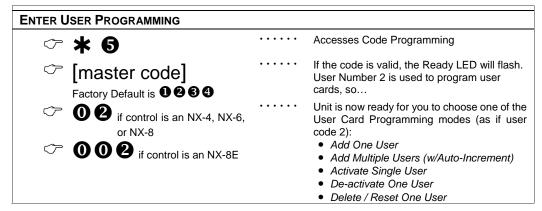
It is recommended that only **<u>one</u>** door control on the system be enabled to modify user cards and that this reader be located near a keypad. This reader will transfer information to all other readers in the system once programming is finished.

Once a door control is enabled to modify users, it must be placed into one of the following five modes:

- 1) Add One User
- 2) Add Multiple Users w/ Auto-Increment
- 3) Activate One User
- De-Activate One User
- 5) Delete/Reset One User.

Modifying users on a door control is similar to modifying user codes at a keypad.

Must be a master user in order to modify user card information.



IMPORTANT NOTES

 Adding or de-activating user cards from a door control will cause the code for User 1 umber 2 to become invalid. Therefore, it will need to be re-entered after all user cards are programmed in the door control.
 By default, user cards are added and activated.

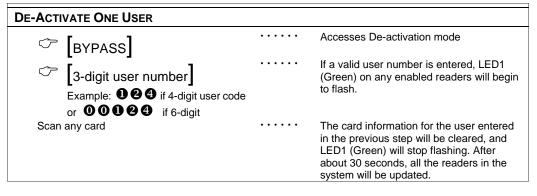
ADDING ONE USER		
ি [STAY]	••••	Accesses Activation mode
[3-digit user number] Example: 124 if 4-digit user code or 0124 if 6-digit		If a valid user number is entered, LED1 (Green) on any enabled readers will begin to flash.
Scan the card designated for the user entered in the previous step.		If the user card is not already in the system, it will be added and mapped to the entered user number and LED1 (Green) will flash. If the card is already in the system, the reader will triple beep and LED1 (Green) will continue flashing; the user number is not incremented in this case.

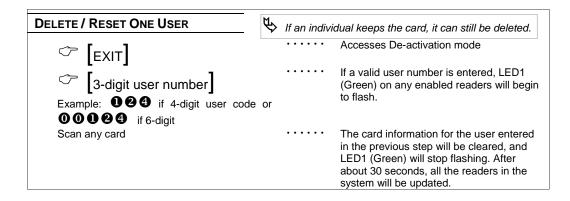
ADDING MULTIPLE USERS WITH AUTO-INCR	REMENT	
CANCEL	•••••	Accesses Activation mode
Gardigit user number Example: 1 2 3 if 4-digit user code or 1 1 2 3 if 6-digit	••••	If a valid user number is entered, LED1 (Green) on any enabled readers will begin to flash.
Scan the card designated for the user entered in the previous step.		If the user card is not already in the system, it will be added and mapped to the entered user number and LED1 (Green) will continue flashing indicating that the next user card can be scanned for the next user number. If the card is already in the system, the reader will triple beep and LED1 (Green) will continue flashing; the user number is not incremented in this case.
Continue scanning user cards until the desired number of cards has been added.		After about 30 seconds without a card being scanned, all the readers in the system will be updated with the new user card information.

IMPORTANT NOTE

Activating / De-activating / Resetting Users -- If User Number 0 is entered, t e desired function will be performed on the user associated with the card scanne '.

ACTIVATE ONE USER (SINGLE USER)		
СТ [СНІМЕ]	••••	Accesses Activation mode
Golden		If a valid user number is entered, LED1 (Green) on any enabled readers will begin to flash.
Scan any card.	••••	The card information for the user entered in the previous step will be activated, and LED1 (Green) will stop flashing. After about 30 seconds, all the readers in the system will be updated.





VIII. PROGRAMMING LOCATIONS

Section For the purpose of these instructions, the term "door control" refers to the NX-1710E module, and the term "reader" refers to the specific card reader attached to the system.

LOCATION 0 READER "A" SCAN FUNCTIONS & OPTIONS

(8 segments of binary data) Location 0 is used to select the particular function(s) that are activated when a card is scanned at Reader "A". More than one function may be selected. If more than one function is selected, they will execute in order from function 1 to function 8.

Functions 1-6 will be performed based on the user's authority as programmed by the [*] [6] function (refer to keypad user manual).

Segment 1 Single Scan Function

Program the functions that are performed when a card is scanned {one beep}.

- LED1 "On" to send Code Entry function to the control panel.
- LED2 "On" to activate the Armed Away mode.
- LED3 "On" to activate the Armed Stay mode.
- LED4 "On" to send the Disarm function to the control panel.
- LED5 "On" to send Auxiliary Function #1 to the control panel.
- LED6 "On" to send Auxiliary Function #2 to the control panel.
- LED7 "On" to broadcast an X-10 function (see Location 241 for programming).
- LED8 "On" to send a Request-to-Exit (RTE) and to activate the onboard relay. (Default is "On")

Segment 2 Triple Scan Function

Program the functions that are performed when a card is scanned three times {three beeps}. The descriptions of the options are the same as for Single Scan Function (Segment 1 above). Default is **1**.

Segment 3 Reader Options:

- LED1 "On" if tamper is inverted.
- LED2 "On" if tamper is enabled.
- LED3 "On" if reader buzzer is to follow typical keypad buzzing.
- LED4 "On" if reader automatically issues a beep when the card is scanned. Enabling this option prevents the door control from issuing another beep. (Default is "On") LED5–8 Reserved.

Segment 4 LED1 (Green) Options:

- LED1 -"On" to follow Ready status of system. (Default is "On")
- LED2 -"On" to toggle with the relay activation. (Default is "On")
- LED3 -"On" if inverted.
- LED4-8 Reserved.

Segment 5 LED2 (Red) Options:

- LED1 -"On" to follow Armed status of system. (Default is "On") LED2 -"On" to toggle with the relay activation. I FD3 -
- "On" if inverted.
- LED4-8 Reserved.

Segments 6 – 8 Reserved

READER "B" SCAN FUNCTIONS & OPTIONS LOCATION 1

(8 segments of binary data) Location 1 is used to select the particular function(s) that are activated when a card is scanned at Reader "B". More than one function may be selected. If more than one function is selected, they will execute in order from function 1 to function 8.

✤ Functions 1-6 will be performed based on the user's authority as programmed by the [*] [6] function (refer to keypad user manual).

Segment 1 Single Scan Function

Program the functions that are performed when a card is scanned {one beep}.

- LED1 -"On" to send Code Entry function to the control panel.
- LED2 -"On" to activate the Armed Away mode.
- LED3 -"On" to activate the Armed Stay mode.
- LED4 -"On" to send the Disarm function to the control panel.
- LED5 -"On" to send Auxiliary Function #1 to the control panel.
- LED6 -"On" to send Auxiliary Function #2 to the control panel.
- LED7 -"On" to broadcast an X-10 function (see Location 241 for programming).
- LED8 -"On" to send a Request-to-Exit (RTE); and to activate the onboard relay. (Default is "On")

Segment 2 **Triple Scan Function**

Program the functions that are performed when a card is scanned three times {three beeps}. The descriptions of the options are the same as for Single Scan Function (Segment 1 above). Default is 1.

Segment 3 Reader Options:

- LED1 -"On" if tamper is inverted.
- LED2 -"On" if tamper is enabled.
- LED3 -"On" if reader buzzer is to follow typical keypad buzzing.
- I FD4 -"On" if reader automatically issues a beep when the card is scanned. Enabling this option prevents the door control from issuing another beep. (Default is "On")
- LED5 -"On" if LEDs to extinguish after 2 minutes without a scan. (Note: This option doesn't disable the flashing green LED during card programming.)
- LED6-8 Reserved.

Segment 4 LED1 (Green) Options:

- LED1 -"On" to follow Ready status of system. (Default is "On")
- LED2 -"On" to toggle with the relay activation. (Default is "On")
- LED3 -"On" if inverted.
- LED4-8 Reserved.

Segment 5 LED2 (Red) Options:

- LED1 "On" to follow Armed status of system. (Default is "On")
- LED2 "On" to toggle with the relay activation.
- LED3 "On" if inverted.
- LED4-8 Reserved.

Segments 6 – 8 Reserved

LOCATION 2 PROGRAMMING THE X-10 ADDRESS FOR THE SCAN FUNCTIONS

(6 segments of numerical data)

Segment 1 Module Number

Program a number from 0 -15 to represent the corresponding X-10 *Module Number* from the following table. Default is **0**.

Module	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Seg 1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Segment 2 House Code

Program a number from 0-15 to represent the corresponding X-10 *House code* from the following table. Default is **0**.

X-10 ADDRESS CODES								
0=A 4=E 8=I 12=M								
1=B	5=F	9=J	13=N					
2=C	6=G	10=K	14=O					
3=D	7=H	11=L	15=P					

Segment 3 Reader "A" Single Scan Function

Program the X-10 function that is performed when a card is scanned {one beep} at Reader "A". This location only needs to be programmed if Location 0, Segment 1, Option 7 is set. Use the following table. Default is 2.

Function #	Function performed	Function #	Function performed		
0	All units off	4	Dim		
1	All lights on	5	Bright		
2	On	6	All lights off		
3	Off	All others	Reserved		

Segment 4 Reader "A" Triple Scan Function

Program the X-10 function that is performed when a card is scanned three times {three beeps} at Reader "A". The descriptions of the function codes are the same as for Single Beep Scan Function. This location only needs to be programmed if Location 0, Segment 2, Option 7 is set. Use the above table. Default is **3**.

Segment 5 Reader "B" Single Scan Function

Program the X-10 function that is performed when a card is scanned {one beep} at Reader "B". This location only needs to be programmed if Location 0, Segment 1, Option 7 is set. Use the following table. Default is 2.

Segment 6 Reader "B" Triple Scan Function

Program the X-10 function that is performed when a card is scanned three times {three beeps} at Reader "B". The descriptions of the function codes are the same as for Single Beep Scan Function. This location only needs to be programmed if Location 0, Segment 2, Option 7 is set. Use the above table. Default is **3**.

LOCATION 3 PROGRAMMING THE OPTIONS AND DOOR CONTROL PARTITIONS

(4 segments of binary data)

(4 segments of binary data)
Segment 1Unit Options:LED1 -"On" if door control module is enabled for User Card Programming.LED2 -"On" if tamper is enabled.LED3 -"On" if disabling on-board zone.LED4 -Reserved.LED5 -"On" if an RTE from a scanned card is to be logged as Code Entry.LED6 -"On" if an RTE from a zone or the egress input is logged as Code Entry.LED7-8Reserved.
Segment 2 Door Options
LED1 - "On" if locking mechanism is a Maglock or Drop Bolt. LED2 - "On" if access is allowed regardless of Armed status of the system. LED3 - "On" if the door is not to be latched unlocked during an open schedule. LED4 - "On" if onboard relay only triggers during an open schedule. LED5 - "On" if onboard relay only triggers during a close schedule. LED6 - "On" if Forced Entry Alarm is logged. LED7 - "On" if access allowed without an RTE. LED8 - "On" if relay operates normally during off-schedule (outside regular operating hours).
Segment 2 Enchling the Schedules for the Onboard Below
Segment 3Enabling the Schedules for the Onboard Relay:LED1 -"On" if driver follows Schedule 1. (Default is "On")LED2 -"On" if driver follows Schedule 2. (Default is "On")LED3 -"On" if driver follows Schedule 3. (Default is "On")LED4 -"On" if driver follows Schedule 4. (Default is "On")LED5 -"On" if driver follows Schedule 5. (Default is "On")LED6 -"On" if driver follows Schedule 6. (Default is "On")LED7 -"On" if driver follows Schedule 7. (Default is "On")LED8 -"On" if driver follows Schedule 7. (Default is "On")
Segment 4 Door Control Partition:
LED1 -"On" if door control is in Partition 1. (Default is "On")LED2 -"On" if door control is in Partition 2. (Default is "On")LED3 -"On" if door control is in Partition 3. (Default is "On")LED4 -"On" if door control is in Partition 4. (Default is "On")LED5 -"On" if door control is in Partition 5. (Default is "On")LED6 -"On" if door control is in Partition 6. (Default is "On")LED7 -"On" if door control is in Partition 7. (Default is "On")LED8 -"On" if door control is in Partition 7. (Default is "On")
Segment 5 Weigand Format Enables:
LED1 - "On" if Weigand Format #1 is enabled. (Default is "On") LED2 - "On" if Weigand Format #2 is enabled. (Default is "On") LED3 - "On" if Weigand Format #3 is enabled. (Default is "On") LED4 - "On" if Weigand Format #4 is enabled. (Default is "On") LED5 - "On" if Weigand Format #5 is enabled. (Default is "On") LED6 - "On" if Weigand Format #6 is enabled. LED7 - "On" if Weigand Format #7 is enabled. LED8 - "On" if Weigand Format #8 is enabled.

LOCATION 4 PROGRAMMING THE ZONES

(2 segments of numerical data)

Segment 1 Door Shunt Zone

Program the zone that will be monitored as a door for access control. This location must be programmed with a valid zone for monitored access control functions to work properly. (Default is **0**)

Additionally, this zone must be configured in the control panel as a Door Shunt zone by programming an unused Zone Type Characteristic in locations 111-169 (Seg 4, Opt 4).

Segment 2 Request To Exit (RTE) Zone

Program the zone that will be monitored to signal an RTE. If this segment is programmed with a valid zone and the zone is faulted, the reader will activate its onboard relay and send the RTE. (Default is **0**)

Additionally, this zone must be configured in the control panel as an RTE zone by programming an unused Zone Type Characteristic in locations 111-169 (Seg 4, Opt 3).

LOCATION 5 PROGRAMMING THE VARIOUS READER TIMERS

(4 segment of numerical data)

Segment 1 Scan Time

Enter the amount of time required to hold a card between beeps to activate the functions programmed in Location 0, Segments 2 and 3. This timer is timed in 1/100-second increments from 0 to 2.55 seconds. (Default is **100** = 1 second).

Segment 2 Relay Active Time

Enter the amount of time the onboard relay is energized once activated. This timer is timed in 1-second increments from 0 to 255 seconds. (Default is 10 = 10 seconds).

Segment 3 Door Fault Warning Time

Enter the amount of time a monitored zone (see Location 4, Segment 1) must be faulted before sounding a warning (local buzzer). The door fault warning is timed in 1-second increments from 0 to 255 seconds. (Default is 30 = 30 seconds).

Segment 4 Door Fault Alarm Time

Enter the amount of time a monitored zone (see Location 4, Segment 1) must be faulted before sending an alarm condition to the control panel. The door fault alarm is timed in 1-second increments from 0 to 255 seconds. (Default is 60 = 60 seconds).

LOCATION 6 PROGRAMMING THE OPENING TIME FOR SCHEDULE 1

(2 segments of numerical data)

Segment 1Program the hour of the opening time in 24-hour format. (Default is 8 = 8:00 AM)Segment 2Program the minutes after the hour of the opening time for Schedule 1. (Default is 0)

LOCATION 7 PROGRAMMING THE CLOSING TIME FOR SCHEDULE 1

(2 segments of numerical data)

Segment 1Program the hour of the closing time in 24-hour format. (Default is 20 = 8:00 PM)Segment 2Program the minutes after the hour of the closing time for Schedule 1. (Default is 0)

LOCATION 8 PROGRAMMING THE DAYS FOR SCHEDULE 1

(1 segment of binary data)

- LED1 = "On" if schedule is active on Sunday.
- LED2 = "On" if schedule is active on Monday.
- LED3 = "On" if schedule is active on Tuesday.
- LED4 = "On" if schedule is active on Wednesday.
- LED5 = "On" if schedule is active on Thursday.
- LED6 = "On" if schedule is active on Friday.
- LED7 = "On" if schedule is active on Saturday.
- LED8 = "On" if schedule is disabled on holidays.

LOCATIONS 9 - 29 PROGRAMMING THE SCHEDULES 2 - 8

Locations 9 - 29 are used to program the opening times, closing times, and days for Schedules 2 - 8. Each schedule has three locations that are programmed with the same steps as Schedule 1 described previously. Refer to Schedule 1 (Locations 6 - 8 above) for specific instructions.

Location 9 – Opening Time for Schedule 2 Location 10 – Closing Time for Schedule 2 Location 11 – Days for Schedule 2 Location 12 – Opening Time for Schedule 3 Location 13 – Closing Time for Schedule 3 Location 14 – Days for Schedule 3 Location 15 – Opening Time for Schedule 4 Location 16 – Closing Time for Schedule 4 Location 17 – Days for Schedule 4 Location 18 – Opening Time for Schedule 5 Location 19 – Closing Time for Schedule 5 Location 20 – Days for Schedule 5 Location 21 – Opening Time for Schedule 6 Location 22 – Closing Time for Schedule 6 Location 23 – Days for Schedule 6 Location 24 – Opening Time for Schedule 7 Location 25 – Closing Time for Schedule 7 Location 26 – Days for Schedule 7 Location 27 – Opening Time for Schedule 8 Location 28 – Closing Time for Schedule 8 Location 29 – Days for Schedule 8

LOCATION 30 PROGRAMMING THE DATE OF HOLIDAYS IN JANUARY

(8 segments of numerical data) Program the day of the month in January that the Opening time in a schedule is suppressed. For example, if the opening should not occur on January 1, program a "1" in Segment 1. This feature can be repeated up to a maximum of 8 holidays per location (month). (Default is **No holidays**)

LOCATIONS 31 - 41 PROGRAMMING THE DATE OF HOLIDAYS FROM FEBRUARY TO DECEMBER

(8 segments of numerical data) Locations 31 - 41 are used to program the day of each month, from February to December, in which the Opening time in a schedule is suppressed. Each location will accommodate up to a maximum of 8 holidays, and programmed with the same steps as Location 30 described previously.

Location 31 – February holidays Location 32 – March holidays Location 33 – April holidays Location 34 – May holidays Location 35 – June holidays Location 36 – July holidays Location 37 – August holidays Location 38 – September holidays Location 39 – October holidays Location 40 – November holidays Location 41 – December holidays

LOCATION 42 ACTIVATION DATA FOR USER CARDS 1 - 120

(15 segments of binary data)

This location is used to select which user cards 1 through 120 are activated. If the LED is "on", the card is active. Each segment has 8 LEDs corresponding to the 8 possible user cards. Example: Segment 4, LED 2 indicates that user card 26 is active.

Jser Cards 1 - 8 Jser Cards 9 - 16 Jser Cards 17 - 24 Jser Cards 25 - 32 Jser Cards 33 - 40 Jser Cards 41 - 48 Jser Cards 49 - 56
Jser Cards 57 - 64

 Segment 9
 User Cards 65 - 72

 Segment 10
 User Cards 73 - 80

 Segment 11
 User Cards 81 - 88

 Segment 12
 User Cards 89 - 96

 Segment 13
 User Cards 97 - 104

 Segment 14
 User Cards 105 - 112

 Segment 15
 User Cards 113 - 120

LED1 = Card 1
LED2 = Card 2
LED3 = Card 3
LED4 = Card 4
LED5 = Card 5
LED6 = Card 6
LED7 = Card 7
LED8 = Card 8

LOCATION 43 PROGRAMMING ACTIVATION DATA FOR USER CARDS 121 - 240

(15 segments of binary data) This location is used to select which user cards 121 through 240 are activated. If the LED is "on", the card is active. Each segment has 8 LEDs corresponding to the 8 possible user cards. Example: Segment 15, LED 8 indicates that user card 240 is active.

Segment 1	User Cards 121 - 128	Segment 9	User Cards 185 - 192	LED1 = Card 1
Segment 2	User Cards 129 - 136	Segment 10	User Cards 193 - 200	LED2 = Card 2
Segment 3	User Cards 137 - 144	Segment 11	User Cards 201 - 208	LED3 = Card 3
Segment 4	User Cards 145 - 152	Segment 12	User Cards 209 - 216	LED4 = Card 4
Segment 5	User Cards 153 - 160	Segment 13	User Cards 217 - 224	LED5 = Card 5
Segment 6	User Cards 161 - 168	Segment 14	User Cards 225 - 232	LED6 = Card 6
Segment 7	User Cards 169 – 176	Segment 15	User Cards 233 - 240	LED7 = Card 7
Segment 8	User Cards 177 - 184			LED8 = Card 8

LOCATION 44 CODE ENTRY LOGGING PARTITION

(2 segments of numerical data) This location programs the partition that is logged with the Code Entry message and sent when the following conditions are met:

An RTE scan function is selected (Location 0, Segment 1/2, Option 8); and

"RTE from a scanned card is to be logged as Code Entry" is enabled (Location 3, Segment 1, Option 5). Entering a 0 (zero) will send the lowest valid partition of the reader. Entering 1-16 will send the entered value as the partition. (Default is 0.)

Segment 1	Code Entry Logging Partition for Reader "A"
Segment 2	Code Entry Logging Partition for Reader "B"

USER-DEFINABLE FORMATS

The following locations are considered to be advanced programming and should ONLY be used by installers with a thorough understanding of Weigand Formats. Do not attempt to program these locations if you are not familiar with Weigand packets.

LOCATION 45 WEIGAND FORMAT 1 (STANDARD 26 BIT) - DIGITS & BITS

- (5 segments of decimal data) This is the first location used to program the Weigand Format 1. (Loc 45-57)
 - Segment 1 Number of digits in Facility Code
 - Segment 2 Number of digits in Badge Number
 - Segment 3 Number of bits in Facility Code
 - Segment 4 Number of bits in Badge Number
 - Segment 5 Total number of bits in complete format (including parity bits)

LOCATION 46 WEIGAND FORMAT 1 – BIT DESCRIPTORS (BITS 1-32)

(32 segments of hex data) This location contains the descriptors for bits 1 – 32 of Weigand Format 1. The available options are: **0=Always Zero; 1=Always One; B=Badge number; D=Parity bit; E=End of format; F=Facility Code bit.** Segment 1 = Bit Descriptor 1; Segment 32 = Bit Descriptor 32.

LOCATION 47 WEIGAND FORMAT 1 – BIT DESCRIPTORS (BITS 33-64)

(32 segments of hex data) This location contains the descriptors for bits 33 – 64 of Weigand Format 1. The available options are: **0=Always Zero; 1=Always One; B=Badge number; D=Parity bit; E=End of format; F=Facility Code bit.** Segment 1 = Bit Descriptor 33; Segment 32 = Bit Descriptor 64.

LOCATION 48 WEIGAND FORMAT 1 – PARITY TYPE 1

(1 segment of decimal data) This location programs the Partity Type 1 for Weigand Format 1. Available options for this location are **0** = **No Parity**; **1** = **Odd Parity**; **2** = **Even Parity**. Factory default is 1.

LOCATION 49 WEIGAND FORMAT 1 – PARITY MASK 1

(8 segments of binary data) This location tells which bits to include for the parity count; and includes the parity bits. It is used in conjunction with Location 48 (Parity Type 1). The factory default is:

Seg 1	Seg 2	Seg 3	Seg 4	Seg 5	Seg 6	Seg 7	Seg 8
12345678	12345678	12345678	78				

LOCATION 50 WEIGAND FORMAT 1 – PARITY TYPE 2

(1 segment of decimal data) This location programs the Partity Type 2 for Weigand Format 1. Available options for this location are **0** = **No Parity**; **1** = **Odd Parity**; **2** = **Even Parity**. Factory default is 2.

LOCATION 51 WEIGAND FORMAT 1 – PARITY MASK 2

(8 segments of binary data) This location tells which bits to include for the parity count; and includes the parity bits. It is used in conjunction with Location 50 (Parity Type 2). The factory default is:

Seg 1 12345678	Seg 2 45678	Seg 3	Seg 4	Seg 5	Seg 6	Seg 7	Seg 8

LOCATION 52 WEIGAND FORMAT 1 – PARITY TYPE 3

(1 segment of decimal data) This location programs the Partity Type 3 for Weigand Format 1. Available options for this location are **0** = **No Parity; 1** = **Odd Parity; 2** = **Even Parity**. Factory default is 0.

LOCATION 53 WEIGAND FORMAT 1 – PARITY MASK 3

(8 segments of binary data) This location tells which bits to include for the parity count; and includes the parity bits. It is used in conjunction with Location 52 (Parity Type 3). The factory default is:

Seg 1	Seg 2	Seg 3	Seg 4	Seg 5	Seg 6	Seg 7	Seg 8

LOCATION 54 WEIGAND FORMAT 1 – PARITY TYPE 4

(1 segment of decimal data) This location programs the Partity Type 4 for Weigand Format 1. Available options for this location are **0** = **No Parity**; **1** = **Odd Parity**; **2** = **Even Parity**. Factory default is 0.

LOCATION 55 WEIGAND FORMAT 1 – PARITY MASK 4

Seg 3

(8 segments of binary data) This location tells which bits to include for the parity count; and includes the parity bits. It is used in conjunction with Location 54 (Parity Type 4). The factory default is:

Seg 1

Seg 2

Seg 4 Seg 5

5

Sea 6

Seg 7

Seg 8

LOCATION 56 WEIGAND FORMAT 1 – PARITY TYPE 5

(1 segment of decimal data) This location programs the Partity Type 5 for Weigand Format 1. Available options for this location are **0** = **No Parity**; **1** = **Odd Parity**; **2** = **Even Parity**. Factory default is 0.

LOCATION 57 WEIGAND FORMAT 1 – PARITY MASK 5

Seg 3

(8 segments of binary data) This location tells which bits to include for the parity count; and includes the parity bits. It is used in conjunction with Location 56 (Parity Type 5). The factory default is:

Seg 1

Seg 2

Seg 4

Seg 6

Seq 5

Seg 7

Seg 8

LOCATIONS 58 – 70 WEIGAND FORMAT 2 (TECOM ASC 27 BIT)

These locations contain the programming for Weigand Format 2. Refer to the instructions for Locations 45 – 57 regarding the Bit Descriptors, Parity Types and Parity Masks 1-5. Factory defaults are in the worksheets.

LOCATIONS 71 - 83 WEIGAND FORMAT 3 (HID1000)

These locations contain the programming for Weigand Format 3. Refer to the instructions for Locations 45 – 57 regarding the Bit Descriptors, Parity Types and Parity Masks 1-5. Factory defaults are in the worksheets.

LOCATIONS 84 – 96 WEIGAND FORMAT 4 (H10304)

These locations contain the programming for Weigand Format 4. Refer to the instructions for Locations 45 – 57 regarding the Bit Descriptors, Parity Types and Parity Masks 1-5. Factory defaults are in the worksheets.

LOCATIONS 97 - 109 WEIGAND FORMAT 5 (40 BIT W/FACILITY CODE – CASI 4001)

These locations contain the programming for Weigand Format 5. Refer to the instructions for Locations 45 – 57 regarding the Bit Descriptors, Parity Types and Parity Masks 1-5. Factory defaults are in the worksheets.

LOCATIONS 110 - 122 WEIGAND FORMAT 6 (40 BIT W/O FACILITY CODE - CASI 4002)

These locations contain the programming for Weigand Format 6. Refer to the instructions for Locations 45 – 57 regarding the Bit Descriptors, Parity Types and Parity Masks 1-5. Factory defaults are in the worksheets.

LOCATIONS 123 - 135 WEIGAND FORMAT 7 (UNDEFINED)

These locations contain the programming for Weigand Format 7. Refer to the instructions for Locations 45 – 57 regarding the Bit Descriptors, Parity Types and Parity Masks 1-5. Factory defaults are in the worksheets.

LOCATIONS 136 - 148 WEIGAND FORMAT 8 (UNDEFINED)

These locations contain the programming for Weigand Format 8. Refer to the instructions for Locations 45 – 57 regarding the Bit Descriptors, Parity Types and Parity Masks 1-5. Factory defaults are in the worksheets.

IX. PROGRAMMING WORKSHEETS

	DESCRIPTION
	N 0 – READER "A" SCAN FUNCTIONS & OPTIONS
	LE SCAN FUNCTION
1 = 2 =	"On" to send Code Entry function to the control panel. "On" to activate the Armed Away mode.
3 =	
4 =	
	"On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel.
7 =	
8 =	"On" to send a Request To Exit (RTE); and activate the onboard relay
2 TRIP	LE SCAN FUNCTION "On" to send Code Entry function to the control panel.
	"On" to activate the Armed Away mode.
	"On" to activate the Armed Stay mode.
	"On" to send the Disarm function to the control panel.
	"On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel.
7 =	
	"On" to send an RTE & activate the onboard relay.
	DER OPTIONS "On" if tamper is inverted.
2 =	
	"On" if reader buzzer is to follow typical keypad buzzing.
4 =	"On" if reader automatically issues a beep when a card is scanned. Reserved.
5-8 4 LED1	(GREEN) OPTIONS
1 =	"On" to follow Ready status of system.
2 =	"On" to toggle with the relay activation. "On" if inverted.
3 = 5-8	Reserved.
	2 (RED) OPTIONS
1 =	"On" to follow Armed status of system.
2 = 3 =	"On" to toggle with the relay activation. "On" if inverted.
4-8	Reserved.
6-8 RESE	
	N 1 – READER "B" SCAN FUNCTIONS & OPTIONS LE SCAN FUNCTION
1 =	"On" to send Code Entry function to the control panel.
2 =	· · · · · · · · · · · · · · · · · · ·
3 = 4 =	· · · · · · · · · · · · · · · · · · ·
	"On" to send Auxiliary Function #1 to the control panel.
6 =	"On" to send Auxiliary Function #2 to the control panel.
7 = 8 =	
8 = 2 TRIP	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION
8 = 2 TRIP 1 =	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel.
8 = 2 TRIP 1 = 2 =	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Away mode.
8 = 2 TRIP 1 = 2 =	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Away mode. "On" to activate the Armed Stay mode.
8 = 2 TRIP 1 = 2 = 3 =	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Away mode. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send Auxiliary Function #1 to the control panel.
8 = 2 TRIP 1 = 2 = 3 = 4 = 5 = 6 =	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Away mode. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel.
8 = 2 TRIP 1 = 2 = 3 = 4 = 5 = 6 = 7 =	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Away mode. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel. "On" to broadcast an X-10 function (see Loc 2).
8 = 2 TRIP 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 =	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Stay mode. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel. "On" to send an X-10 function (see Loc 2). "On" to send an RTE & activate the onboard relay. DER OPTIONS
8 = 2 TRIP 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 3 REAL 1 =	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Away mode. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send the Disarm function to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel. "On" to broadcast an X-10 function (see Loc 2). "On" to send an RTE & activate the onboard relay. DER OPTIONS "On" if tamper is inverted.
8 = 2 TRIP 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 3 REAL 1 = 2 = 3 = 2 = 3 = 2 = 3 = 2 = 3 = 3 = 4 = 2 = 3 = 2 = 2 = 3 = 2 = 3 = 2 = 2 = 3 = 2 = 3 = 2 = 2 = 3 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Away mode. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel. "On" to send Auxiliary Function (see Loc 2). "On" to send an RTE & activate the onboard relay. DER OPTIONS "On" if tamper is inverted. "On" if tamper is enabled.
8 = 2 TRIP 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 3 REAL 1 =	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Stay mode. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to broadcast an X-10 function (see Loc 2). "On" to send an RTE & activate the onboard relay. DER OPTIONS "On" if tamper is inverted. "On" if reader buzzer is to follow typical keypad buzzing. <i>"On" if reader automatically issues a beep when a card is scanned.</i>
8 = 2 TRIP 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 3 REAL 1 = 2 = 3 = 4 = 5 = 5 = 5 = 5 = 6 = 7 = 5 = 5 = 5 = 5 = 5 = 5 = 5 = 5	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Stay mode. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel. "On" to send Auxiliary Function #2 to the control panel. "On" to send an X-10 function (see Loc 2). "On" to send an RTE & activate the onboard relay. DER OPTIONS "On" if tamper is inverted. "On" if reader buzzer is to follow typical keypad buzzing. <i>"On" if reader automatically issues a beep when a card is scanned.</i> <i>"On" if LEDs to extinguish after 2 minutes without a scan.</i>
8 = 2 TRIP 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 3 REAL 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 6 = 7 = 8 = 6 = 7 = 8 = 6 = 7 = 8 = 8 = 6 = 7 = 8 = 8 = 8 = 8 = 8 = 8 = 8 = 8	 "On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel. "On" to send an X-10 function (see Loc 2). "On" to send an RTE & activate the onboard relay. DER OPTIONS "On" if tamper is inverted. "On" if reader buzzer is to follow typical keypad buzzing. <i>"On" if LEDs to extinguish after 2 minutes without a scan.</i> Reserved.
8 = 2 TRIP 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 3 REAL 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 6 = 7 = 8 = 6 = 7 = 8 = 6 = 7 = 8 = 8 = 6 = 7 = 8 = 8 = 8 = 8 = 8 = 8 = 8 = 8	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Stay mode. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel. "On" to send Auxiliary Function #2 to the control panel. "On" to send an X-10 function (see Loc 2). "On" to send an RTE & activate the onboard relay. DER OPTIONS "On" if tamper is inverted. "On" if reader buzzer is to follow typical keypad buzzing. <i>"On" if reader automatically issues a beep when a card is scanned.</i> <i>"On" if LEDs to extinguish after 2 minutes without a scan.</i>
8 = 2 TRIP 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 3 REAL 1 = 2 = 3 = 4 = 5 = 6 = 1 = 2 = 2 = 4 = 1 = 2 = 4 = 5 = 6 = 6 = 7 = 8 = 4 = 7 = 8 = 4 = 2 = 7 = 8 = 4 = 1 = 2 = 2 = 4 = 1 = 2 = 2 = 4 = 1 = 2 = 2 = 4 = 2 = 4 = 2 = 2 = 4 = 2 = 2 = 4 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to send Code Entry function to the control panel. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel. "On" to broadcast an X-10 function (see Loc 2). "On" to send an RTE & activate the onboard relay. DER OPTIONS "On" if tamper is inverted. "On" if reader automatically issues a beep when a card is scanned. "On" if LEDs to extinguish after 2 minutes without a scan. Reserved. (GREEN) OPTIONS "On" to follow Ready status of system. "On" to toggle with the relay activation.
8 = 2 TRIP 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 3 REAL 1 = 2 = 3 = 4 = 5 = 6 = 6 = 7 = 8 = 3 = 4 = 5 = 6 = 6 = 7 = 8 = 8 = 4 = 5 = 6 = 7 = 8 = 8 = 8 = 4 = 5 = 6 = 8 = 8 = 8 = 8 = 8 = 8 = 8 = 8	"On" to send a Request To Exit (RTE); and activate the onboard relay. LE SCAN FUNCTION "On" to activate the Armed Away mode. "On" to activate the Armed Stay mode. "On" to send the Disarm function to the control panel. "On" to send the Disarm function #1 to the control panel. "On" to send Auxiliary Function #1 to the control panel. "On" to send Auxiliary Function #2 to the control panel. "On" to broadcast an X-10 function (see Loc 2). "On" to send an RTE & activate the onboard relay. DER OPTIONS "On" if tamper is inverted. "On" if reader automatically issues a beep when a card is scanned. "On" if LEDs to extinguish after 2 minutes without a scan. Reserved. (GREEN) OPTIONS

(7)											
SEG					DESCR	IPT	ION				
5		2 (RED) OPTIC									
	1 = 2 =			tus of system.							
	2 = 3 =		e with the relay ed.	activation.							
	4-8										
		ERVED	00500								
1		DN 2 - X10 ADI DULE NUMBER									
•	0 =		4 =	Module 5	8	=	Module 9		12 =	Module 13	
	1 =	Module 2	5 =	Module 6		=	Module 10			Module 14	
	2 = 3 =		6 = 7 =	Module 7 Module 8			Module 11 Module 12			Module 15 Module 16	
2		JSE CODE	7 -	Wodule 0	1	1 -	Module 12		15 -	Nodule 10	
	-	Α	4 =	_			1		12 =		
		B C	5 = 6 =			=	J K		13 = 14 =		
		D	6 = 7 =	-		0 = 1 =			14 =		
3		DER "A" SINGI									
		All units off	2 = 3 =				Dim Bright			All lights off	oconvod
4		All lights on DER "A" TRIPL			5 =	-	Bright		<i>i</i> = <i>i</i>	All others = R	eserveu
	0 =	All units off	2 =		4 =		Dim			All lights off	
5		All lights on DER "B" SINGI	3 =	Off	5 =	=	Bright		7 = /	All others = R	eserved
5		All units off	2 =	On	4 =	-	Dim		6 = /	All lights off	
	1 =	All lights on	3 =	Off	5 =		Bright			All others = R	eserved
6		DER "B" TRIPL All units off	E SCAN 2 =	On	4 =	_	Dim		6 -	All lights off	
		All lights on	2 = 3 =	Off	4 = 5 =		Bright			All others = R	eserved
LOC			-	ONTROL PARTI	-						
1	-	T OPTIONS									
	1 =			Card Program	nming						
	2 = 3 =		per enabled board zone is	disabled							
	3 = 4 =			uisableu							
	5 =		RTE from a so	canned card is	to be logo	ec	l as Code Ent	try			
	6 =			one or the egre					Entry		
	-	= Reserved									
2	DOC 1 =	DR OPTIONS	ing maabanig	m in a Maglac	k or Dron	Po	.14				
	2 =			im is a Magloo d regardless of				em			
	3 =			be latched un							
	4 =			ly triggers duri							
	5 =			ly triggers duri	ng a close	so	chedule.				
	6 =		•	rm is logged.							
	7 = 8 =			vithout an RTE ormally during		ıle	(outside of rea	ular oper	atina h	oure)	
3				R THE ONBOA			(outside of regi		aung I	100137.	
	1 =		ver follows								
	2 =		ver follows								
	3 =		ver follows								
	4 =		ver follows ver follows {								
	5 = 6 =		ver follows : ver follows :								
	7 =		ver follows								
	8 =		ver follows	Schedule 8.							
4				In Dentiti							
	1 =			in Partition 1 in Partition 2							
	2 = 3 =			in Partition 2							
	3 = 4 =			in Partition 4							
	5 =			in Partition 5							
	6 =	"On" if do	or control is	in Partition 6	;						
	7 =			in Partition 7							
	8 =	"On" if do	or control is	in Partition 8	1						

ບ ພູ່ ທີ	CRIPTION
5 WEIGAND FORMAT ENABLES 1 = Weigand format # 1	
2 = Weigand format # 7 2 = Weigand format # 2	
3 = Weigand format #2	
4 = Weigand format # 4	
5 = Weigand format # 5	
6 = Weigand format # 6	
7 = Weigand format # 7	
8 = Weigand format # 8	
LOCATION 4 – PROGRAMMING THE ZONES	
1 DOOR SHUNT ZONE	Default = 0
Additionally, this zone must be configured in the co Zone Type Characteristic in locations 111-169 (Seg 4.	ntrol panel as a Door Shunt zone by programming an unused
2 REQUEST TO EXIT (RTE) ZONE	Default = 0
	pontrol panel as an RTE zone by programming an unused Zone
Type Characteristic in locations 111-169 (Seg 4, Opt 3	
LOCATION 5 – READER TIMERS	
1 Scan Time (1/100 seconds)	Default = 100 (1 second)
2 Relay Active Time (seconds)	Default = 10
³ Door Fault Warning Time (seconds)	Default = 30
4 Door Fault Alarm Time (seconds)	Default = 60
LOCATION 6 – OPENING TIME FOR SCHEDULE 1	
1 Hour of Opening (24-hr format)	Default = 8 (8 AM)
2 Minutes after Hour of Opening LOCATION 7 – CLOSING TIME FOR SCHEDULE 1	Default = 0
1 Hour of Closing (24-hr format)	Default =20 (8 PM)
2 Minutes after Hour of Closing	Default = 0
LOCATION 8 – DAYS FOR SCHEDULE 1	
1 = "On" if schedule is active on Sunday.	
2 = "On" if schedule is active on Monday.	
3 = "On" if schedule is active on Tuesday.	
4 = "On" if schedule is active on Wednesday.	
5 = "On" if schedule is active on Thursday.	
6 = "On" if schedule is active on Friday.	
7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays.	
8 = "On" if schedule is disabled on holidays. LOCATION 9 – OPENING TIME FOR SCHEDULE 2	
¹ Hour of Opening (24-hr format)	Default = 8 (8 AM)
2 Minutes after Hour of Opening	Default = 0
LOCATION 10 – CLOSING TIME FOR SCHEDULE 2	
 Hour of Closing (24-hr format) 	Default =20 (8 PM)
2 Minutes after Hour of Closing	Default = 0
LOCATION 11 – DAYS FOR SCHEDULE 2	
1 = "On" if schedule is active on Sunday.	
2 = "On" if schedule is active on Monday.	
3 = "On" if schedule is active on Tuesday.	
4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday.	
6 = "On" if schedule is active on Friday.	
7 = "On" if schedule is active on Saturday.	
8 = "On" if schedule is disabled on holidays.	
LOCATION 12 – OPENING TIME FOR SCHEDULE 3	
¹ Hour of Opening (24-hr format)	Default = 8 (8 AM)
2 Minutes after Hour of Opening	Default = 0
LOCATION 13 – CLOSING TIME FOR SCHEDULE 3	
1 Hour of Closing (24-hr format)	Default =20 (8 PM)
2 Minutes after Hour of Closing	Default = 0
LOCATION 14 – DAYS FOR SCHEDULE 3	
 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 	
3 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday.	
4 = "On" if schedule is active on Wednesday.	
5 = "On" if schedule is active on Thursday.	
6 = "On" if schedule is active on Friday.	
7 = "On" if schedule is active on Saturday.	
8 = "On" if schedule is disabled on holidays.	

ି ଅନ୍ତ DEs	SCRIPTION
တ LOCATION 15 – OPENING TIME FOR SCHEDULE 4	
1 Hour of Opening (24-hr format)	Default = 8 (8 AM)
2 Minutes after Hour of Opening	Default = 0
LOCATION 16 – CLOSING TIME FOR SCHEDULE 4	Delaun - 0
¹ Hour of Closing (24-hr format)	Default =20 (8 PM)
2 Minutes after Hour of Closing	Default = 0
LOCATION 17 – DAYS FOR SCHEDULE 4	
 "On" if schedule is active on Sunday. 	
2 = "On" if schedule is active on Monday.	
3 = "On" if schedule is active on Tuesday.	
4 = "On" if schedule is active on Wednesday.	
5 = "On" if schedule is active on Thursday.	
6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday.	
8 = "On" if schedule is disabled on holidays.	
LOCATION 18 – OPENING TIME FOR SCHEDULE 5	
1 Hour of Opening (24-hr format)	Default = 8 (8 AM)
2 Minutes after Hour of Opening	Default = 0
LOCATION 19 – CLOSING TIME FOR SCHEDULE 5	
1 Hour of Closing (24-hr format)	Default =20 (8 PM)
2 Minutes after Hour of Closing	Default = 0
LOCATION 20 – DAYS FOR SCHEDULE 5	
1 = "On" if schedule is active on Sunday.	
2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday.	
4 = "On" if schedule is active on Vednesday.	
5 = "On" if schedule is active on Thursday.	
6 = "On" if schedule is active on Friday.	
7 = "On" if schedule is active on Saturday.	
8 = "On" if schedule is disabled on holidays.	
LOCATION 21 – OPENING TIME FOR SCHEDULE 6	
Hour of Opening (24-hr format)	Default = 8 (8 AM)
2 Minutes after Hour of Opening	Default = 0
LOCATION 22 – CLOSING TIME FOR SCHEDULE 6	
1 Hour of Closing (24-hr format)	Default =20 (8 PM)
I : Minutes after Lleur of Olesian	
2 Minutes after Hour of Closing	Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6	
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday.	
LOCATION 23 – DAYS FOR SCHEDULE 6	
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday.	Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday.	Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday.	Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday.	Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays.	Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on holidays.	Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format)	Default = 0 Default = 8 (8 AM)
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Hursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening	Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7	Default = 0 Default = 8 (8 AM) Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format)	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM)
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7	Default = 0 Default = 8 (8 AM) Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 9 = "On" if schedule is active on Saturday. 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM)
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Hursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday.	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM)
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Friday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Sunday. 3 = "On" if schedule is active on Tuesday.	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM) Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Hursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Friday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Wednesday. 4 = "On" if schedule is active on Wednesday.	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM) Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Friday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday.	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM) Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Hursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Friday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Schedule IS 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Tuesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday.	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM) Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Hursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 9 = "On" if schedule is active on Saturday. 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Closing LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Tuesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday.	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM) Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Hursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Closing LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Tuesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday.	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM) Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Tuesday. 5 = "On" if schedule is active on Tuesday. 6 = "On" if schedule is active on Thursday. 7 = "On" if schedule is active on Friday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Thursday. 5 = "On" if schedule is active on Friday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays.	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM) Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Tuesday. 5 = "On" if schedule is active on Hursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Thursday. 4 = "On" if schedule is active on Friday. 5 = "On" if schedule is active on Friday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Friday.	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM) Default = 0 Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Friday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Friday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Thursday. 5 = "On" if schedule is active on Saturday. 6 = "On" if schedule is active on Saturday. 7 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday. 6 = "On" if schedule is active on Saturday. 8 = "On" if schedule is active on Saturday.	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM) Default = 0
 LOCATION 23 – DAYS FOR SCHEDULE 6 "On" if schedule is active on Sunday. "On" if schedule is active on Monday. "On" if schedule is active on Tuesday. "On" if schedule is active on Tuesday. "On" if schedule is active on Wednesday. "On" if schedule is active on Thursday. "On" if schedule is active on Friday. "On" if schedule is active on Friday. "On" if schedule is active on Saturday. "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 Hour of Opening (24-hr format) Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 Hour of Closing (24-hr format) Minutes after Hour of Closing LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 Hour of Closing (24-hr format) Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 "On" if schedule is active on Sunday. "On" if schedule is active on Monday. "On" if schedule is active on Tuesday. "On" if schedule is active on Thursday. "On" if schedule is active on Friday. "On" if schedule is active on Saturday. "On" if schedule is active on Saturday.	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM) Default = 0 Default = 0
LOCATION 23 – DAYS FOR SCHEDULE 6 1 = "On" if schedule is active on Sunday. 2 = "On" if schedule is active on Monday. 3 = "On" if schedule is active on Tuesday. 4 = "On" if schedule is active on Wednesday. 5 = "On" if schedule is active on Thursday. 6 = "On" if schedule is active on Friday. 7 = "On" if schedule is active on Friday. 8 = "On" if schedule is active on Saturday. 8 = "On" if schedule is disabled on holidays. LOCATION 24 – OPENING TIME FOR SCHEDULE 7 1 Hour of Opening (24-hr format) 2 Minutes after Hour of Opening LOCATION 25 – CLOSING TIME FOR SCHEDULE 7 1 Hour of Closing (24-hr format) 2 Minutes after Hour of Closing LOCATION 26 – DAYS FOR SCHEDULE 7 1 = "On" if schedule is active on Sunday. 2 "On" if schedule is active on Nonday. 3 = "On" if schedule is active on Thursday. 4 "On" if schedule is active on Thursday. 5 "On" if schedule is active on Saturday. 6 "On" if schedule is active on Saturday. 6 "On" if schedule is active on Saturday. 6 "On	Default = 0 Default = 8 (8 AM) Default = 0 Default = 20 (8 PM) Default = 0

SEG			DESCRIPT	ION					
LOCATION 29 - DAYS FOR SCHED	ULE 8								
1 = "On" if schedule is activ									
2 = "On" if schedule is a									
3 = "On" if schedule is a									
4 = "On" if schedule is ac 5 = "On" if schedule is ac			•						
6 = "On" if schedule is a									
7 = "On" if schedule is activ									
8 = "On" if schedule is disa									
LOCATION 30 - HOLIDAYS IN JAN	JARY		Default	t = 0					
LOCATION 31 – HOLIDAYS IN FEBI	RUARY		Default	t = 0					
LOCATION 32 – HOLIDAYS IN MARCH <i>Default</i> = 0									
LOCATION 33 – HOLIDAYS IN APRIL <i>Default = 0</i>									
LOCATION 34 – HOLIDAYS IN MAY <i>Default = 0</i>									
LOCATION 35 – HOLIDAYS IN JUNE Default = 0									
LOCATION 36 - HOLIDAYS IN JULY			Default						
LOCATION 37 - HOLIDAYS IN AUG			Default						
LOCATION 38 - HOLIDAYS IN SEP			Default						
LOCATION 39 – HOLIDAYS IN OCT LOCATION 40 – HOLIDAYS IN NOV			Default	-					
LOCATION 40 - HOLIDAYS IN NOV			Default Default	-					
LOCATION 41 – HOLIDATS IN DECI LOCATION 42 – ACTIVATION DATA				= 0					
		2	3	4	5	6	7	8	
1 User Cards 1 - 8	1	2	3	4	5	6	7	8	
2 User Cards 9 - 16	9	10	11	12	13	14	15	16	
3 User Cards 17 - 24	17	18	19	20	21	22	23	24	
4 User Cards 25 - 32	25	26	27	28	29	30	31	32	
5 User Cards 33 – 40	33	34	35	36	37	38	39	40	
6 User Cards 41 – 48	41	42	43	44	45	46	47	48	
7 User Cards 49 – 56	49	50	51	52	53	54	55	56	
8 User Cards 57 – 64	57	58	59	60	61	62	63	64	
9 User Cards 65 – 72	65	66	67	68	69	70	71	72	
10 User Cards 73 – 80	73	74	75	76	77	78	79	80	
11 User Cards 81 – 88	81	82	83	84	85	86	87	88	
12 User Cards 89 – 96	89	90	91	92	93	94	95	96	
13 User Cards 97 – 104 14 User Cards 105 – 112	97	98 106	99 107	100	101	102	103	104	
14 User Cards 105 – 112 15 User Cards 113 - 120	105 113	106	107	108 116	109 117	110 118	111 119	112 120	
LOCATION 43 – ACTIVATION DATA	-		-	110	117	110	113	120	
LEDS		2	3	4	5	6	7	8	
1 User Cards 121 - 128	121	122	123	124	125	126	127	128	
² User Cards 129 - 136	129	130	131	132	131	134	135	136	
³ User Cards 137 - 144	137	138	139	140	141	142	143	144	
4 User Cards 145 - 152	145	146	147	148	149	150	151	152	
5 User Cards 153 – 160	153	154	155	156	157	158	159	160	
6 User Cards 161 – 168	161	162	163	164	165	166	167	168	
7 User Cards 169 – 176	169	170	171	172	173	174	175	176	
8 User Cards 177 – 184	177	178	179	180	181	182	183	184	
9 User Cards 185 – 192	185	186	187	188	189	190	191	192	
10 User Cards 193 – 200 11 User Cards 201 – 208	193	194	195	196	197	198	199	200	
11 User Cards 201 – 208 12 User Cards 209 – 216	201	202 210	203 211	204 212	205	206 214	207	208	
¹² User Cards 209 – 216 ¹³ User Cards 217 – 224	209 217	210	211	212	213 221	214	215 223	216 224	
14 User Cards 225 – 232	225	216	219	220	229	230	223	232	
15 User Cards 233 – 240	233	234	235	236	223	238	239	240	
LOCATION 44 – CODE ENTRY LOG		-	200	200	201	200	200	270	
1 Code Entry Logging Partitio			Det	fault = 0					
2 Code Entry Logging Partition				fault = 0					

IMPORTANT: The following locations are considered advanced programming and should **ONLY** be used by installers with a thorough understanding of Weigand formats. Do not attempt to program these locations if you are not familiar with Weigand packets.

WE	IGAND FORMAT	Γ1					
	ATION 45 - WIEGAND F			(DECI	MAL DATA)		
SEG			RIPTION			DEFAULT	DATA
1	Number of Digits in I					5	
3	Number of Digits in I Number of Bits in Fa					<u> </u>	
4	Number of Bits in Ba					<u> </u>	
5	Total Number of Bits		igond Eq	rmot (26	
	ATION 46 - WIEGAND F						
	Always Zero; 1 = Alwa	•				f Format: E – Facil	ity Code Bit
	-				-		-
SEG	DESCRIPTION Bit 1 Descriptor	DEFAULT D	DATA	SEG 17	DESCRIPTION	DEFAULT B	DATA
2	Bit 2 Descriptor	E F		18	Bit 17 Descriptor Bit 18 Descriptor	B	
3	Bit 2 Descriptor	F		19	Bit 19 Descriptor	B	
4	Bit 4 Descriptor	/ F		20	Bit 20 Descriptor	B	
5	Bit 5 Descriptor	/ F		20	Bit 20 Descriptor	B	
6	Bit 6 Descriptor	F		22	Bit 22 Descriptor	B	
7	Bit 7 Descriptor	F		23	Bit 23 Descriptor	B	
8	Bit 8 Descriptor	F		24	Bit 24 Descriptor	B	
9	Bit 9 Descriptor	F		25	Bit 25 Descriptor	В	
10	Bit 10 Descriptor	B		26	Bit 26 Descriptor	D	
11	Bit 11 Descriptor	В		27	Bit 27 Descriptor	Е	
12	Bit 12 Descriptor	В		28	Bit 28 Descriptor	Е	
13	Bit 13 Descriptor	В		29	Bit 29 Descriptor	E	
14	Bit 14 Descriptor	В		30	Bit 30 Descriptor	E	
15	Bit 15 Descriptor	В		31	Bit 31 Descriptor	E	
16	Bit 16 Descriptor	В		32	Bit 32 Descriptor	Е	
LOC	ATION 47 – WIEGAND F	FORMAT 1 (BIT DE	SCRIPTO	R 33 -	64)	· · ·	
0 =	Always Zero; 1 = Alwa	ays One; B = Badge	e Number	Bit; D	= Parity Bit; E = End o	of Format; F = Facil	ity Code Bit
1	Bit 33 Descriptor	E		17	Bit 49 Descriptor	E	
2	Bit 34 Descriptor	E		18	Bit 50 Descriptor	E	
3	Bit 35 Descriptor	E		19	Bit 51 Descriptor	Е	
4	Bit 36 Descriptor	Е		20	Bit 52 Descriptor	Е	
5	Bit 37 Descriptor	Е		21	Bit 53 Descriptor	Е	
6	Bit 38 Descriptor	E		22	Bit 54 Descriptor	E	
7	Bit 39 Descriptor	Е		23	Bit 55 Descriptor	E	
8	Bit 40 Descriptor	E		24	Bit 56 Descriptor	E	
9	Bit 41 Descriptor	Ε		25	Bit 57 Descriptor	E	
10	Bit 42 Descriptor	E		26	Bit 58 Descriptor	E	
11	Bit 43 Descriptor	E		27	Bit 59 Descriptor	E	
12	Bit 44 Descriptor	E		28	Bit 60 Descriptor	E	
13	Bit 45 Descriptor	E		29	Bit 61 Descriptor	E	
14	Bit 46 Descriptor	Е		30	Bit 62 Descriptor	E	
15	Bit 47 Descriptor	Е		31	Bit 63 Descriptor	E	
16	Bit 48 Descriptor	E		32	Bit 64 Descriptor	E	
	TION 48 - WIEGAND F		Y TYPE 1)		0=No Parity; 1=Odd I	Parity; 2=Even Par	ity
	Parity Type 1						
1	ATION 49 – WIEGAND F	ORMAT 1 (PARIT) 12345678	r MASK 1) 5	Parity Mack 5		
2	Parity Mask 1 Parity Mask 2	12345678		6	Parity Mask 5 Parity Mask 6		
3	Parity Mask 2	12345678		7	Parity Mask 7		
4	Parity Mask 3	78		8	Parity Mask 7		
	ATION 50 - WIEGAND F		Y TYPE 2)		0=No Parity; 1=Odd I	Parity: 2=Even Par	ity
1	Parity Type 2	2					
LOC	ATION 51 - WIEGAND F	FORMAT 1 (PARIT)	Y MASK 2				
1	Parity Mask 1	12345678		5	Parity Mask 5		
2	Parity Mask 2	45678		6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		-
	ATION 52 - WIEGAND F		Y TYPE 3)		0=No Parity; 1=Odd I	Parity; 2=Even Par	ity
1	Parity Type 3	0					

SEG	DESCRIPTION	DEFAULT	DATA SEG	DESCRIPTION	DEFAULT	DATA
LOC/	ATION 53 - WIEGAND	FORMAT 1 (PARIT)			· · · ·	
1	Parity Mask 1		5	Parity Mask 5		
2	Parity Mask 2		6	Parity Mask 6		
3	Parity Mask 3		7	Parity Mask 7		
4	Parity Mask 4		8	Parity Mask 8		
	ATION 54 - WIEGAND		Y TYPE 4)			
1	Parity Type 4	0				
	ATION 55 - WIEGAND	FORMAT 1 (PARIT)		Devite Meels 5		
1	Parity Mask 1		5	Parity Mask 5		
2	Parity Mask 2		6	Parity Mask 6		
3	Parity Mask 3		7	Parity Mask 7		
4	Parity Mask 4		8	Parity Mask 8		
	ATION 56 - WIEGAND		1 I I PE 5)			
	Parity Type 5 ATION 57 – WIEGAND		MARK E	· · · ·		
1			5	Parity Mask 5		
	Parity Mask 2		6	Parity Mask 6		
	Parity Mask 3		7	Parity Mask 7		
4	Parity Mask 4		8	Parity Mask 8		
	IGAND FORMAT	τ	0	i any wask o		
LOC/ SEG	ATION 58 - WIEGAND	FORMAT 2 (DIGITS RIPTION	a BITS) (DEC	IMAL DATA) DEFAULT	DATA	
1	Number of Digits in			0	DATA	
2	Number of Digits in			9		
3	Number of Bits in Fa			0		
4	Number of Bits in Ba			27		
4 5	Total Number of Bits in Ba		and	27		
	Format (including pa		janu	21		
	ATION 59 – WIEGAND		SCRIPTOR 1 -	32) ΗΕΧ ΠΔΤΔ		
				-	f Formati F Fa-1	ity Code Dit
	•			D = Parity Bit; E = End c	-	•
SEG	DESCRIPTION	DEFAULT	DATA SEG	DESCRIPTION	DEFAULT	DATA
1	Bit 1 Descriptor	B	17	Bit 17 Descriptor	B	
2	Bit 2 Descriptor	В	1 1 0	Bit 18 Descriptor	D	
			18			
3	Bit 3 Descriptor	В	19	Bit 19 Descriptor	В	
3 4	Bit 3 Descriptor Bit 4 Descriptor	B B	19 20	Bit 19 Descriptor Bit 20 Descriptor	B B	
3 4 5	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor	B B B	19 20 21	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor	B B B	
3 4 5 6	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor	B B B B	19 20 21 22	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor	B B B B	
3 4 5 6 7	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor	B B B B B	19 20 21 22 23	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor	B B B B B	
3 4 5 6 7 8	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor	8 8 8 8 8 8 8	19 20 21 22 23 24	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor	B B B B B B	
3 4 5 6 7	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor	8 8 8 8 8 8 8 8 8	19 20 21 22 23 24 25	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor	B B B B B B B	
3 4 5 6 7 8 9 10	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor	8 8 8 8 8 8 8	19 20 21 22 23 24 25 26	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor	B B B B B B B B B	
3 4 5 6 7 8 9	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor	8 8 8 8 8 8 8 8 8	19 20 21 22 23 24 25	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor	B B B B B B B	
3 4 5 6 7 8 9 10	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor	8 8 8 8 8 8 8 8 8 8	19 20 21 22 23 24 25 26	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor	B B B B B B B B B	
3 4 5 6 7 8 9 10 11	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor	В В В В В В В В В В	19 20 21 22 23 24 25 26 27	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor	B B B B B B B B B B	
3 4 5 6 7 8 9 10 11 12 13 14	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 14 Descriptor	B B B B B B B B B B B B B B	19 20 21 22 23 24 25 26 27 28 29 30	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 28 Descriptor Bit 29 Descriptor Bit 30 Descriptor	B B B B B B B B B E E E	
3 4 5 6 7 8 9 10 11 12 13	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor	В В В В В В В В В В В В В В В	19 20 21 22 23 24 25 26 27 28 29	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 28 Descriptor Bit 29 Descriptor	B B B B B B B B E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 14 Descriptor Bit 14 Descriptor Bit 15 Descriptor Bit 16 Descriptor	B B B B B B B B B B B B B B B B B B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 31 Descriptor Bit 32 Descriptor	B B B B B B B B E E E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 14 Descriptor Bit 15 Descriptor	B B B B B B B B B B B B B B B B B B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 31 Descriptor Bit 32 Descriptor	B B B B B B B B E E E E E E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 14 Descriptor Bit 14 Descriptor Bit 15 Descriptor Bit 16 Descriptor	B B B B B B B B B B B B B B B B B B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 31 Descriptor Bit 32 Descriptor	B E E E E E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 14 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 33 Descriptor Bit 34 Descriptor	B B B B B B B B B B B B B B B B B B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 31 Descriptor Bit 32 Descriptor Bit 32 Descriptor	B B	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 15 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 16 Descriptor Bit 16 Descriptor Bit 33 Descriptor	B B B B B B B B B B B B B B B B B B B	19 20 21 22 23 24 25 26 27 28 29 30 30 31 32 32 SCRIPTOR 33 17	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 32 Descriptor Bit 32 Descriptor Bit 32 Descriptor Bit 32 Descriptor Bit 32 Descriptor	B E E E E E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC/ 1 2	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 14 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 33 Descriptor Bit 34 Descriptor	B B B B B B B B B B B B B B B B B B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33 17 18	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 31 Descriptor Bit 49 Descriptor Bit 49 Descriptor Bit 50 Descriptor Bit 51 Descriptor	B B	
3 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 LOC/ 1 2 3	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 14 Descriptor Bit 15 Descriptor Bit 15 Descriptor Bit 13 Descriptor Bit 33 Descriptor Bit 34 Descriptor Bit 35 Descriptor	B B B B B B B B B B B B B B B B B B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33 17 18 19	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 31 Descriptor Bit 32 Descriptor Bit 32 Descriptor Bit 39 Descriptor Bit 49 Descriptor Bit 50 Descriptor Bit 51 Descriptor	B B	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC / 1 2 3 4	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 14 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 33 Descriptor Bit 34 Descriptor Bit 35 Descriptor Bit 35 Descriptor Bit 36 Descriptor	B B B B B B B B B B B B B B B B B B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33 17 18 19 20	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 31 Descriptor Bit 49 Descriptor Bit 49 Descriptor Bit 50 Descriptor Bit 51 Descriptor	B B B B B B B B B E E E E E E E E E E E E E E E E E E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC / 1 2 3 4 5	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 14 Descriptor Bit 14 Descriptor Bit 15 Descriptor Bit 33 Descriptor Bit 34 Descriptor Bit 35 Descriptor Bit 35 Descriptor Bit 36 Descriptor Bit 36 Descriptor Bit 36 Descriptor	B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33- 17 18 19 20 21	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 31 Descriptor Bit 32 Descriptor Bit 49 Descriptor Bit 50 Descriptor Bit 51 Descriptor Bit 52 Descriptor Bit 53 Descriptor	B B B B B B B B B E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC / 1 2 3 4 5 6	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 14 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 33 Descriptor Bit 34 Descriptor Bit 35 Descriptor Bit 35 Descriptor Bit 36 Descriptor Bit 36 Descriptor Bit 36 Descriptor Bit 37 Descriptor Bit 38 Descriptor	B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33- 17 18 19 20 21 22	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 31 Descriptor Bit 49 Descriptor Bit 49 Descriptor Bit 50 Descriptor Bit 51 Descriptor Bit 52 Descriptor Bit 53 Descriptor Bit 53 Descriptor Bit 54 Descriptor	B B B B B B B B B E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC / 1 2 3 4 5 6 7	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 14 Descriptor Bit 15 Descriptor Bit 15 Descriptor Bit 33 Descriptor Bit 34 Descriptor Bit 35 Descriptor Bit 36 Descriptor Bit 36 Descriptor Bit 37 Descriptor Bit 38 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 39 Descriptor	B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33 17 18 19 20 21 22 23	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 31 Descriptor Bit 32 Descriptor Bit 49 Descriptor Bit 50 Descriptor Bit 51 Descriptor Bit 52 Descriptor Bit 53 Descriptor Bit 53 Descriptor Bit 54 Descriptor Bit 54 Descriptor Bit 55 Descriptor Bit 55 Descriptor Bit 55 Descriptor	B B B B B B B B B E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC / 1 2 3 4 5 6 6 7 8	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 15 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 33 Descriptor Bit 34 Descriptor Bit 35 Descriptor Bit 36 Descriptor Bit 36 Descriptor Bit 37 Descriptor Bit 38 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 40 Descriptor	B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33 17 18 19 20 21 22 23 24	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 31 Descriptor Bit 32 Descriptor Bit 49 Descriptor Bit 50 Descriptor Bit 51 Descriptor Bit 52 Descriptor Bit 53 Descriptor Bit 54 Descriptor Bit 54 Descriptor Bit 55 Descriptor Bit 55 Descriptor Bit 56 Descriptor Bit 56 Descriptor Bit 57 Descriptor	B B B B B B B B B E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC / 1 2 3 4 5 6 6 7 8 9 9	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 14 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 33 Descriptor Bit 35 Descriptor Bit 35 Descriptor Bit 36 Descriptor Bit 36 Descriptor Bit 37 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 40 Descriptor Bit 40 Descriptor Bit 41 Descriptor	B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33 17 18 19 20 21 22 23 24 25	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 32 Descriptor Bit 49 Descriptor Bit 50 Descriptor Bit 51 Descriptor Bit 52 Descriptor Bit 53 Descriptor Bit 54 Descriptor Bit 55 Descriptor Bit 55 Descriptor Bit 56 Descriptor Bit 56 Descriptor Bit 57 Descriptor Bit 57 Descriptor	B B B B B B B B B E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC / 1 2 3 4 5 6 7 7 8 9 9 10 11	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 14 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 33 Descriptor Bit 33 Descriptor Bit 35 Descriptor Bit 36 Descriptor Bit 36 Descriptor Bit 37 Descriptor Bit 38 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 40 Descriptor Bit 40 Descriptor Bit 41 Descriptor Bit 41 Descriptor Bit 43 Descriptor	B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33 17 18 19 20 21 22 23 24 25 26 27	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 32 Descriptor Bit 49 Descriptor Bit 50 Descriptor Bit 51 Descriptor Bit 52 Descriptor Bit 53 Descriptor Bit 54 Descriptor Bit 55 Descriptor Bit 56 Descriptor Bit 56 Descriptor Bit 57 Descriptor Bit 57 Descriptor Bit 59 Descriptor	B B B B B B B B B E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC / 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 10 11 12 13 14 15 16 10 11 12 13 14 15 16 16 10 11 12 13 14 15 16 16 16 16 16 16 16 16 16 16	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 15 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 33 Descriptor Bit 34 Descriptor Bit 36 Descriptor Bit 36 Descriptor Bit 37 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 40 Descriptor Bit 41 Descriptor Bit 42 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 43 Descriptor	B E	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33 17 18 19 20 21 22 23 24 25 26 27 28	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 32 Descriptor Bit 49 Descriptor Bit 50 Descriptor Bit 51 Descriptor Bit 52 Descriptor Bit 53 Descriptor Bit 54 Descriptor Bit 55 Descriptor Bit 56 Descriptor Bit 56 Descriptor Bit 57 Descriptor Bit 57 Descriptor Bit 59 Descriptor Bit 59 Descriptor Bit 59 Descriptor	B B B B B B B B B E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC/ 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC/ 11 12 13 14 15 16 10 11 12 13 14 15 16 16 10 11 12 13 14 15 16 16 16 10 11 12 13 14 15 16 16 16 16 16 16 16 16 16 16	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 9 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 16 Descriptor Bit 33 Descriptor Bit 34 Descriptor Bit 35 Descriptor Bit 36 Descriptor Bit 37 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 40 Descriptor Bit 41 Descriptor Bit 42 Descriptor Bit 42 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 44 Descriptor Bit 45 Descriptor	B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33 - 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 24 25 26 27 28 29	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 50 Descriptor Bit 51 Descriptor Bit 53 Descriptor Bit 55 Descriptor Bit 55 Descriptor Bit 57 Descriptor Bit 57 Descriptor Bit 58 Descriptor Bit 59 Descriptor Bit 60 Descriptor	B B B B B B B B B E	
3 4 5 6 7 7 8 9 10 11 12 13 14 15 16 LOC / 1 2 3 4 5 6 7 7 8 9 10 11 12 13 14 15	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 16 Descriptor Bit 33 Descriptor Bit 34 Descriptor Bit 35 Descriptor Bit 36 Descriptor Bit 36 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 40 Descriptor Bit 41 Descriptor Bit 42 Descriptor Bit 42 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 44 Descriptor Bit 45 Descriptor Bit 45 Descriptor	B E	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33 17 18 19 20 21 22 23 24 25 26 27 28 29 30 21 22 23 24 25 26 27 28 29 30	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 32 Descriptor Bit 32 Descriptor Bit 50 Descriptor Bit 51 Descriptor Bit 53 Descriptor Bit 54 Descriptor Bit 55 Descriptor Bit 55 Descriptor Bit 56 Descriptor Bit 56 Descriptor Bit 58 Descriptor Bit 58 Descriptor Bit 58 Descriptor Bit 59 Descriptor Bit 59 Descriptor Bit 59 Descriptor Bit 59 Descriptor Bit 59 Descriptor Bit 59 Descriptor Bit 60 Descriptor Bit 60 Descriptor Bit 61 Descriptor	B E E	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 LOC/ 1 2 3 4 5 6 7 7 8 9 10 11 12 13	Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 9 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 15 Descriptor Bit 16 Descriptor Bit 16 Descriptor Bit 33 Descriptor Bit 34 Descriptor Bit 35 Descriptor Bit 36 Descriptor Bit 37 Descriptor Bit 39 Descriptor Bit 39 Descriptor Bit 40 Descriptor Bit 41 Descriptor Bit 42 Descriptor Bit 42 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 43 Descriptor Bit 44 Descriptor Bit 45 Descriptor	B B	19 20 21 22 23 24 25 26 27 28 29 30 31 32 SCRIPTOR 33 - 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 24 25 26 27 28 29	Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 29 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 30 Descriptor Bit 50 Descriptor Bit 51 Descriptor Bit 53 Descriptor Bit 55 Descriptor Bit 55 Descriptor Bit 57 Descriptor Bit 57 Descriptor Bit 58 Descriptor Bit 59 Descriptor Bit 60 Descriptor	B B B B B B B B B E	

LOCA	TION 61 - WIEGAND	FORMAT 2 (PARITY TY	PE 1)	0=No Parity; 1=Odd F	Parity; 2=Even Par	ity
1	Parity Type 1	0		, ,		-
LOC/	ATION 62 - WIEGAND	FORMAT 2 (PARITY MA				
-	Parity Mask 1		5	Parity Mask 5		
2	Parity Mask 2		6	Parity Mask 6		
3	Parity Mask 3		7	Parity Mask 7		
4			8	Parity Mask 8		
		FORMAT 2 (PARITY TY	PE 2)	0=No Parity; 1=Odd F	Parity; 2=Even Par	ity
1	Parity Type 2	0		<u> </u>		
		FORMAT 2 (PARITY MA		D * M + F		
1	Parity Mask 1		5	Parity Mask 5		
	Parity Mask 2		6	Parity Mask 6		
3	Parity Mask 3		7	Parity Mask 7		
4	Parity Mask 4		8	Parity Mask 8		
		FORMAT 2 (PARITY TY	PE 3)	0=No Parity; 1=Odd F	Parity; 2=Even Par	ity
1	Parity Type 3	0				
		FORMAT 2 (PARITY MA		5 × 11 + 5		
1	Parity Mask 1		5	Parity Mask 5		
2	Parity Mask 2		6	Parity Mask 6		
3	Parity Mask 3		7	Parity Mask 7		
4	Parity Mask 4		8	Parity Mask 8		
		FORMAT 2 (PARITY TY	PE 4)			
1	Parity Type 4	0				
		FORMAT 2 (PARITY MA			1	
1	r anty maon r		5	Parity Mask 5		
2	Parity Mask 2		6	Parity Mask 6		
3	Parity Mask 3		7	Parity Mask 7		
4	Parity Mask 4		8	Parity Mask 8		
LOC		FORMAT 2 (PARITY TY	PE 5)		· · · ·	
1	Parity Type 5	0				
LOC		FORMAT 2 (PARITY MA	SK 5)			
1	Parity Mask 1		5	Parity Mask 5		
2	Parity Mask 2		6	Parity Mask 6		
3	Parity Mask 3		7	Parity Mask 7		
4	Parity Mask 4		8	Parity Mask 8		
WF	IGAND FORMA	Γ.3		·		
LOC	TION 71 - WIEGAND	FORMAT 3 (DIGITS & B	ITS) (DECI	MAL DATA)		
		RIPTION		DEFAULT	DATA	
1	Number of Digits in			4		
2	Number of Digits in			7		
3	Number of Bits in Fa			12		
4	Number of Bits in Ba			20		
4 5				35		
5		in Complete Weigand		30		
	Format (including pa					
		FORMAT 3 (BIT DESCR		•		
0 =	Always Zero; 1 = Alwa	ays One; B = Badge Nu	mber Bit; D		f Format; F = Facili	ty Code Bit
SEG	DESCRIPTION	DEFAULT DA	TA SEG	DESCRIPTION	DEFAULT	DATA
1	Bit 1 Descriptor	D	17	Bit 17 Descriptor	В	
2	Bit 2 Descriptor	D	18	Bit 18 Descriptor	В	
3	Bit 3 Descriptor	F	19	Bit 19 Descriptor	В	
4	Bit 4 Descriptor	F	20	Bit 20 Descriptor	В	
5	Bit 5 Descriptor	, F	21	Bit 21 Descriptor	B	
6	Bit 6 Descriptor	F	22	Bit 22 Descriptor	B	
7		 F	22		B	
	Bit 7 Descriptor		23	Bit 23 Descriptor	B	
8	Bit 8 Descriptor	<u> </u>		Bit 24 Descriptor		
9	Bit 9 Descriptor	<u> </u>	25	Bit 25 Descriptor	В	
10	Bit 10 Descriptor	<u> </u>	26	Bit 26 Descriptor	В	
11	Bit 11 Descriptor	F	27	Bit 27 Descriptor	В	
12	Bit 12 Descriptor	F	28	Bit 28 Descriptor	В	
13	Bit 13 Descriptor	F	29	Bit 29 Descriptor	В	
		F	30	Bit 30 Descriptor	В	
14	Bit 14 Descriptor		00			
14 15		B	31		В	
	Bit 14 Descriptor Bit 15 Descriptor Bit 16 Descriptor			Bit 31 Descriptor Bit 32 Descriptor	B B	

LOCATION 73 – WIEGAND FORMAT 3 (BIT DESCRIPTOR 33 - 64)

	Always Zero; 1 = Alwa	ys One; B = Badge	Number Bit;	D = Parity Bit; E = End of	Format; F = Facil	ity Code Bi
SEG	DESCRIPTION	DEFAULT	DATA SEC	DESCRIPTION	DEFAULT	DATA
1	Bit 33 Descriptor	В	17	Bit 49 Descriptor	E	
2	Bit 34 Descriptor	В	18	Bit 50 Descriptor	Е	
3	Bit 35 Descriptor	D	19	Bit 51 Descriptor	Е	
4	Bit 36 Descriptor	E	20	Bit 52 Descriptor	E	
5	Bit 37 Descriptor	E	21	Bit 53 Descriptor	E	
6		E	22		E	
	Bit 38 Descriptor			Bit 54 Descriptor	E	
7	Bit 39 Descriptor	<u> </u>	23	Bit 55 Descriptor		
8	Bit 40 Descriptor	E	24	Bit 56 Descriptor	E	
9	Bit 41 Descriptor	E	25	Bit 57 Descriptor	E	
10	Bit 42 Descriptor	E	26	Bit 58 Descriptor	E	
11	Bit 43 Descriptor	E	27	Bit 59 Descriptor	E	
12	Bit 44 Descriptor	E	28	Bit 60 Descriptor	E	
13	Bit 45 Descriptor	E	29	Bit 61 Descriptor	E	
14	Bit 46 Descriptor	E	30	Bit 62 Descriptor	E	
15	Bit 47 Descriptor	E	31	Bit 63 Descriptor	E	
16	Bit 48 Descriptor	Е	32	Bit 64 Descriptor	E	
.OC/	ATION 74 - WIEGAND F	ORMAT 3 (PARITY	TYPE 1)	0=No Parity; 1=Odd P	arity; 2≕Even Par	ity
1	Parity Type 1	1				-
.OC/	ATION 75 - WIEGAND F	ORMAT 3 (PARITY	MASK 1)			
1	Parity Mask 1	12345678	5	Parity Mask 5	678	
2	Parity Mask 2	12345678	6	Parity Mask 6		
3	Parity Mask 3	12345678	7	Parity Mask 7		
4	Parity Mask 4	12345678	8	Parity Mask 8		
.OC/	ATION 76 - WIEGAND F	ORMAT 3 (PARITY	TYPE 2)	0=No Parity; 1=Odd P	arity; 2≕Even Par	ity
1	Parity Type 2	1`			•	
.OC/	ATION 77 - WIEGAND F	ORMAT 3 (PARITY	MASK 2)			
1	Parity Mask 1	1-34-67-	5	Parity Mask 5	6-8	
2	Parity Mask 2	-23-56-8	6	Parity Mask 6		
3	Parity Mask 3	12-45-78	7	Parity Mask 7		
4	Parity Mask 4	1-34-67-	8	Parity Mask 8		
.00/	ATION 78 – WIEGAND F	ORMAT 3 (PARITY	TYPE 3)	0=No Parity; 1=Odd P	aritv: 2≕Even Par	itv
1	Parity Type 3	2			•	
OC/	ATION 79 - WIEGAND F	ORMAT 3 (PARITY	MASK 3)	· · ·		
1	Parity Mask 1	-23-567-	5	Parity Mask 5	78	
2	Parity Mask 2	12-45-78	6	Parity Mask 6		
3	Parity Mask 3	1-34-67-	7	Parity Mask 7		
4	Parity Mask 4	-23-56-8	8	Devite Merch 0		
			0	Parity Mask 8		
.0C/	ATION 80 – WIEGAND F	ORMAT 3 (PARITY		Parity Mask 8		
. OC/ 1	ATION 80 – WIEGAND F Parity Type 4	ORMAT 3 (PARITY 0		Parity Mask 8		
1		0	TYPE 4)	Parity Mask 8		
1	Parity Type 4	0	TYPE 4)	Parity Mask 5		
1 .0C/ 1	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1	0	TYPE 4) MASK 4)	Parity Mask 5		
1 .0C/ 1	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2	0	TYPE 4) MASK 4) 5	Parity Mask 5 Parity Mask 6		
1 0C/ 1 2	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3	0	TYPE 4) MASK 4) 5 6	Parity Mask 5 Parity Mask 6 Parity Mask 7		
1 0C/ 1 2 3 4	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4	0 FORMAT 3 (PARITY 	TYPE 4) MASK 4) 5 6 7 8	Parity Mask 5 Parity Mask 6		
1 0C/ 1 2 3 4	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F	0 FORMAT 3 (PARITY 	TYPE 4) MASK 4) 5 6 7 8	Parity Mask 5 Parity Mask 6 Parity Mask 7		
1 0C/ 1 2 3 4 0C/ 1	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5	0 CORMAT 3 (PARITY CORMAT 3 (PARITY 0	TYPE 4) MASK 4) 5 6 7 8 TYPE 5)	Parity Mask 5 Parity Mask 6 Parity Mask 7		
1 0C/ 1 2 3 4 0C/ 1	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F	0 CORMAT 3 (PARITY CORMAT 3 (PARITY 0	TYPE 4) MASK 4) 5 6 7 8 TYPE 5)	Parity Mask 5 Parity Mask 6 Parity Mask 7		
1 0C/ 1 2 3 4 0C/ 1 0C/	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1	0 CORMAT 3 (PARITY CORMAT 3 (PARITY 0	TYPE 4) MASK 4) 5 6 7 8 TYPE 5) MASK 5)	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8 Parity Mask 5		
1 0C/ 1 2 3 4 0C/ 1 0C/ 1 2	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1 Parity Mask 2	0 CORMAT 3 (PARITY CORMAT 3 (PARITY 0	TYPE 4) 5 6 7 8 TYPE 5)	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8 Parity Mask 5 Parity Mask 6		
1 0C/ 1 2 3 4 0C/ 1 0C/ 1	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3	0 CORMAT 3 (PARITY CORMAT 3 (PARITY 0	TYPE 4) MASK 4) 5 6 7 8 TYPE 5) MASK 5) 5 6 7	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8 Parity Mask 5 Parity Mask 6 Parity Mask 7		
1 0C/ 1 2 3 4 0C/ 1 0C/ 1 2 3 4	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4	0 FORMAT 3 (PARITY FORMAT 3 (PARITY 0 FORMAT 3 (PARITY 	TYPE 4) MASK 4) 5 6 7 8 TYPE 5) MASK 5) 5 6	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8 Parity Mask 5 Parity Mask 6		
1 0C/ 1 2 3 4 0C/ 1 0C/ 1 2 3 4 <i>WE</i>	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 IGAND FORMAT	0 FORMAT 3 (PARITY FORMAT 3 (PARITY 0 FORMAT 3 (PARITY 	TYPE 4) MASK 4) 5 6 7 8 TYPE 5) MASK 5) 5 6 7 8 8	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8 Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8		
1 0C/ 1 2 3 4 0C/ 1 2 3 4 <i>0</i> C/ 1 2 3 4	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 IGAND FORMAT ATION 84 – WIEGAND F	0 FORMAT 3 (PARITY FORMAT 3 (PARITY 0 FORMAT 3 (PARITY 	TYPE 4) MASK 4) 5 6 7 8 TYPE 5) MASK 5) 5 6 7 8 8	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8 Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8		
1 0C/ 1 2 3 4 0C/ 1 0C/ 1 2 3 4 <i>WE</i> 0C/	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 IGAND FORMAT ATION 84 – WIEGAND F DESCR	0 CORMAT 3 (PARITY CORMAT 3 (PARITY 0 CORMAT 3 (PARITY 	TYPE 4) MASK 4) 5 6 7 8 TYPE 5) MASK 5) 5 6 7 8 8	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8 Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8 CIMAL DATA) DEFAULT		
1 0C/ 1 2 3 4 0C/ 1 2 3 4 0C/ 1 2 3 4 WE 0C/	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1 Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 IGAND FORMAT ATION 84 – WIEGAND F DESCR Number of Digits in F	0 CORMAT 3 (PARITY CORMAT 3 (PARITY 0 CORMAT 3 (PARITY 0 CORMAT 3 (PARITY 	TYPE 4) MASK 4) 5 6 7 8 TYPE 5) MASK 5) 5 6 7 8 8	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8 Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 7 Parity Mask 8 CIMAL DATA) DEFAULT 5		
1 0C/ 1 2 3 4 0C/ 1 2 3 4 <i>N</i> 2 3 4 <i>N</i> 2 3 4 <i>N</i> 2 3 1 2 2 1 2 2 1 2 2 3 4	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1 Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4 IGAND FORMAT ATION 84 – WIEGAND F DESCR Number of Digits in F	0 CORMAT 3 (PARITY CORMAT 3 (PARITY 0 CORMAT 3 (PARITY 0 CORMAT 3 (PARITY CORMAT 4 (DIGITS 8 CORMAT 9 CORMAT 4 (DIGITS 8 CORMAT 9 CORMAT	TYPE 4) MASK 4) 5 6 7 8 TYPE 5) MASK 5) 5 6 7 8 8	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 8 Parity Mask 8 Parity Mask 6 Parity Mask 7 Parity Mask 7 Parity Mask 8 CIMAL DATA) DEFAULT 5 6		
1 0C/ 1 2 3 4 0C/ 1 2 3 4 WE 0C/ 1 2 3 4 WE 3 3 4 0C/ 1 2 3 4 0C/ 1 1 2 3 4 0 0 0 0 1 1 2 3 4 0 0 0 0 0 1 1 2 3 4 0 0 0 0 1 1 2 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 2 Parity Mask 3 Parity Mask 4 IGAND FORMAT ATION 84 – WIEGAND F DESCR Number of Digits in F Number of Bits in Fa	o CORMAT 3 (PARITY CORMAT 3 (PARITY 0 CORMAT 3 (PARITY CORMAT 3 (PARITY CORMAT 4 (DIGITS 8 CORMAT 4 (DIGITS 8 C	TYPE 4) MASK 4) 5 6 7 8 TYPE 5) MASK 5) 5 6 7 8 8	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 7 Parity Mask 8 Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 7 Parity Mask 8 CIMAL DATA) DEFAULT 5 6 16		
1 0C/ 1 2 3 4 0C/ 1 2 3 4 WE 0C/ 1 2 3 4 WE 3 4 0C/ 1 2 3 4 0C/ 1 1 2 3 4 0 0 0 1 1 2 3 4 1 0 0 1 1 2 3 4 1 0 0 1 1 2 3 4 1 0 0 1 1 2 3 4 1 0 0 1 1 1 2 3 4 1 0 0 1 1 1 2 3 4 1 0 0 1 1 1 2 3 4 1 0 1 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 2 Parity Mask 3 Parity Mask 4 IGAND FORMAT ATION 84 – WIEGAND F DESCR Number of Digits in F Number of Bits in Fa Number of Bits in Fa	o CORMAT 3 (PARITY CORMAT 3 (PARITY 0 CORMAT 3 (PARITY 0 CORMAT 3 (PARITY CORMAT 4 (DIGITS 8 CORMAT	TYPE 4) MASK 4) 5 6 7 8 TYPE 5) MASK 5) 5 6 7 8 8 BITS) (DEC	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 7 Parity Mask 8 Parity Mask 6 Parity Mask 7 Parity Mask 7 Parity Mask 8 CIMAL DATA) DEFAULT 5 6 16 19		
1 0C/ 1 2 3 4 0C/ 1 2 3 4 WE 0C/ 1 2 3 4 WE 3 3 4 0C/ 1 2 3 4 0C/ 1 1 2 3 4 0 0 0 0 1 1 2 3 4 0 0 0 0 0 1 1 2 3 4 0 0 0 0 1 1 2 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0	Parity Type 4 ATION 81 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 2 Parity Mask 3 Parity Mask 4 ATION 82 – WIEGAND F Parity Type 5 ATION 83 – WIEGAND F Parity Mask 1 Parity Mask 2 Parity Mask 2 Parity Mask 3 Parity Mask 4 IGAND FORMAT ATION 84 – WIEGAND F DESCR Number of Digits in F Number of Bits in Fa	o CORMAT 3 (PARITY CORMAT 3 (PARITY 0 CORMAT 3 (PARITY 0 CORMAT 3 (PARITY CORMAT 4 (DIGITS 8 CORMAT 9 	TYPE 4) MASK 4) 5 6 7 8 TYPE 5) MASK 5) 5 6 7 8 8 BITS) (DEC	Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 7 Parity Mask 8 Parity Mask 5 Parity Mask 6 Parity Mask 7 Parity Mask 7 Parity Mask 8 CIMAL DATA) DEFAULT 5 6 16		· · · · · · · · · · · · · · · · · · ·

	ATION 85 – WIEGAND F	•			,		
					= Parity Bit; E = End of	-	
SEG	DESCRIPTION	DEFAULT	DATA	SEG	DESCRIPTION	DEFAULT	DATA
1	Bit 1 Descriptor	D F		17	Bit 17 Descriptor	F	
2	Bit 2 Descriptor	F F		18 19	Bit 18 Descriptor	B	
3	Bit 3 Descriptor	F		20	Bit 19 Descriptor	B	
4 5	Bit 4 Descriptor	F F		20	Bit 20 Descriptor	B	
6	Bit 5 Descriptor Bit 6 Descriptor	F		21	Bit 21 Descriptor Bit 22 Descriptor	B	
7	Bit 6 Descriptor	F		23	Bit 22 Descriptor	B	
8	Bit 8 Descriptor	/ F		23	Bit 23 Descriptor	B	
9	Bit 9 Descriptor	F		25	Bit 25 Descriptor	B	
10	Bit 10 Descriptor	F		26	Bit 26 Descriptor	B	
11	Bit 11 Descriptor	F		27	Bit 20 Descriptor	B	
12	Bit 12 Descriptor	F		28	Bit 28 Descriptor	B	
13	Bit 13 Descriptor	F		29	Bit 29 Descriptor	B	
14	Bit 14 Descriptor	F		30	Bit 30 Descriptor	B	
15	Bit 15 Descriptor	, F		31	Bit 31 Descriptor	B	
16	Bit 16 Descriptor	F		32	Bit 32 Descriptor	B	
	ATION 86 - WIEGAND F		FSCRIPTO				
		•					
0 =		ys One; B = Badg	ge Number	Bit; D	= Parity Bit; E = End of		ity Code Bit
1	Bit 33 Descriptor	В		17	Bit 49 Descriptor	E	
2	Bit 34 Descriptor	В		18	Bit 50 Descriptor	E	
3	Bit 35 Descriptor	В		19	Bit 51 Descriptor	Ε	
4	Bit 36 Descriptor	В		20	Bit 52 Descriptor	E	
5	Bit 37 Descriptor	D		21	Bit 53 Descriptor	E	
6	Bit 38 Descriptor	E		22	Bit 54 Descriptor	E	
7	Bit 39 Descriptor	E		23	Bit 55 Descriptor	E	
8	Bit 40 Descriptor	Е		24	Bit 56 Descriptor	Е	
9	Bit 41 Descriptor	E		25	Bit 57 Descriptor	Ε	
10	Bit 42 Descriptor	E		26	Bit 58 Descriptor	Ε	
11	Bit 43 Descriptor	E		27	Bit 59 Descriptor	Ε	
12	Bit 44 Descriptor	Е		28	Bit 60 Descriptor	Ε	
13	Bit 45 Descriptor	E		29	Bit 61 Descriptor	Ε	
14	Bit 46 Descriptor	E		30	Bit 62 Descriptor	Ε	
15	Bit 47 Descriptor	Е		31	Bit 63 Descriptor	Ε	
16	Bit 48 Descriptor	E		32	Bit 64 Descriptor	Ε	
LOC	ATION 87 – WIEGAND F	ORMAT 4(PARIT	Y TYPE 1)		0=No Parity; 1=Odd Pa	arity; 2=Even Pa	rity
1	Parity Type 1	1					
	ATION 88 – WIEGAND F	ORMAT 4 (PARIT	TY MASK 1				
1	Parity Mask 1			5	Parity Mask 5	45678	
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3	123456		7	Parity Mask 7		
4	Parity Mask 4	12345678		8	Parity Mask 8		
	ATION 89 – WIEGAND F		TY TYPE 2		0=No Parity; 1=Odd Pa	arity; 2=Even Pa	rity
1	Parity Type 2	2					
	ATION 90 – WIEGAND F	ORMAT 4 (PARI1 12345678	T MASK 2		Parity Maak F		
1	Parity Mask 1			5	Parity Mask 5		
2	Parity Mask 2	12345678		6	Parity Mask 6		
3	Parity Mask 3	678		7 8	Parity Mask 7 Parity Mask 8		
	Parity Mask 4 ATION 91 – WIEGAND F				0=No Parity; 1=Odd Pa	arity: 2-Even De	-i+1/
1	Parity Type 3	ORMAT 4 (PARTI 0	TITPE 3)		p=no Farity; 1=00d Pa	anty, ∠≕⊑ven Pal	ny
	ATION 92 – WIEGAND F		LA WVCK 3	a)			
1	Parity Mask 1		- mAon a	5	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		
	ATION 93 – WIEGAND F	ORMAT 4 (PARIT	TY TYPE 4				
1	Parity Type 4	0					
	ATION 94 – WIEGAND F		TY MASK 4)			
1	Parity Mask 1			5	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		

LOCA	ATION 95 – WIEGAND F	ORMAT 4 (PARITY TYPE 5)			
1	Parity Type 5	0				
-00/	ATION 96 – WIEGAND F	ORMAT 4 (PARITY MASK 5				
1	Parity Mask 1		5	Parity Mask 5		
2	Parity Mask 2		6	Parity Mask 6		
3	Parity Mask 3		7	Parity Mask 7		
4	Parity Mask 4		8	Parity Mask 8		
	IGAND FORMAT	5				
		ORMAT 5 (DIGITS & BITS)				
-004	DESCR			DEFAULT	DATA	
1	Number of Digits in F			6	DATA	
2				6		
	Number of Digits in B			19		
3	Number of Bits in Fac					
4	Number of Bits in Ba			19		
5	Total Number of Bits i			40		
	Format (including par			<u>.</u>		
.0CA	ATION 98 – WIEGAND F	ORMAT 5 (BIT DESCRIPTO	0R 1 - 3	32) HEX DATA		
0 =	Always Zero; 1 = Alway	ys One; B = Badge Number	Bit; D	= Parity Bit; E = End of	Format; F = Facil	ity Code Bit
SEG	DESCRIPTION	DEFAULT DATA	SEG	DESCRIPTION	DEFAULT	DATA
1	Bit 1 Descriptor		17	Bit 17 Descriptor	F	
2		<i>B</i>	17		F F	
	Bit 2 Descriptor		-	Bit 18 Descriptor		
3	Bit 3 Descriptor	F	19	Bit 19 Descriptor	F	
4	Bit 4 Descriptor	<u> </u>	20	Bit 20 Descriptor	F	
5	Bit 5 Descriptor	F	21	Bit 21 Descriptor	В	
6	Bit 6 Descriptor	F	22	Bit 22 Descriptor	В	
7	Bit 7 Descriptor	F	23	Bit 23 Descriptor	В	
8	Bit 8 Descriptor	F	24	Bit 24 Descriptor	В	
9	Bit 9 Descriptor	F	25	Bit 25 Descriptor	В	
10	Bit 10 Descriptor	F	26	Bit 26 Descriptor	В	
11	Bit 11 Descriptor	F	27	Bit 27 Descriptor	В	
12	Bit 12 Descriptor	F	28	Bit 28 Descriptor	B	
13	Bit 13 Descriptor	F	29	Bit 29 Descriptor	B	
14	Bit 13 Descriptor	F	30	Bit 30 Descriptor	B	
15			31		B	
	Bit 15 Descriptor	<u> </u>		Bit 31 Descriptor		
16	Bit 16 Descriptor	F	32	Bit 32 Descriptor	В	
-0CA	ATION 99 – WIEGAND F	ORMAT 5 (BIT DESCRIPTO)R 33 -	64)		
0 =	Always Zero; 1 = Alwa	ys One; B = Badge Number	r Bit; D	= Parity Bit; E = End of	Format; F = Facil	ity Code Bit
1	Bit 33 Descriptor	В	17	Bit 49 Descriptor	Е	
2	Bit 34 Descriptor	B	18	Bit 50 Descriptor	E	
3	Bit 35 Descriptor	B	19	Bit 50 Descriptor	E	
4						
	Bit 36 Descriptor	B	20	Bit 52 Descriptor	E	
5	Bit 37 Descriptor	В	21	Bit 53 Descriptor	E	
6	Bit 38 Descriptor	B	22	Bit 54 Descriptor	E	
7	Bit 39 Descriptor	В	23	Bit 55 Descriptor	E	
8	Bit 40 Descriptor	D	24	Bit 56 Descriptor	E	
9	Bit 41 Descriptor	E	25	Bit 57 Descriptor	E	
10	Bit 42 Descriptor	Ε	26	Bit 58 Descriptor	E	
4.4			1	Bit 59 Descriptor	Е	
11	Bit 43 Descriptor	E	27	Dit 00 Descriptor	- 1	
11	Bit 43 Descriptor Bit 44 Descriptor	<u>Е</u>	27 28		E	
12	Bit 44 Descriptor			Bit 60 Descriptor		
12 13	Bit 44 Descriptor Bit 45 Descriptor	E	28 29	Bit 60 Descriptor Bit 61 Descriptor	E E	
12 13 14	Bit 44 Descriptor Bit 45 Descriptor Bit 46 Descriptor	E E E	28 29 30	Bit 60 Descriptor Bit 61 Descriptor Bit 62 Descriptor	E E E	
12 13 14 15	Bit 44 Descriptor Bit 45 Descriptor Bit 46 Descriptor Bit 47 Descriptor	E E E E	28 29 30 31	Bit 60 Descriptor Bit 61 Descriptor Bit 62 Descriptor Bit 63 Descriptor	E E E E	
12 13 14 15 16	Bit 44 Descriptor Bit 45 Descriptor Bit 46 Descriptor Bit 47 Descriptor Bit 48 Descriptor	E E E E E	28 29 30 31 32	Bit 60 Descriptor Bit 61 Descriptor Bit 62 Descriptor Bit 63 Descriptor Bit 64 Descriptor	E E E E E	i
12 13 14 15 16 .0C/	Bit 44 Descriptor Bit 45 Descriptor Bit 46 Descriptor Bit 47 Descriptor Bit 48 Descriptor ATION 100 – WIEGAND	E E E E FORMAT 5 (PARITY TYPE	28 29 30 31 32	Bit 60 Descriptor Bit 61 Descriptor Bit 62 Descriptor Bit 63 Descriptor	E E E E E	ity
12 13 14 15 16 OC / 1	Bit 44 Descriptor Bit 45 Descriptor Bit 46 Descriptor Bit 47 Descriptor Bit 48 Descriptor ATION 100 – WIEGAND Parity Type 1	E E E E FORMAT 5 (PARITY TYPE 1	28 29 30 31 32 1)	Bit 60 Descriptor Bit 61 Descriptor Bit 62 Descriptor Bit 63 Descriptor Bit 64 Descriptor	E E E E E	ity
12 13 14 15 16 .0C/ 1 .0C/	Bit 44 Descriptor Bit 45 Descriptor Bit 46 Descriptor Bit 47 Descriptor Bit 48 Descriptor ATION 100 – WIEGAND Parity Type 1 ATION 101 – WIEGAND	E E E E FORMAT 5 (PARITY TYPE 1 FORMAT 5 (PARITY MASK	28 29 30 31 32 1)	Bit 60 Descriptor Bit 61 Descriptor Bit 62 Descriptor Bit 63 Descriptor Bit 64 Descriptor 0=No Parity; 1=Odd Pa	E E E E E arity; 2≕Even Par	ity
12 13 14 15 16 OC 1 OC 1 1	Bit 44 Descriptor Bit 45 Descriptor Bit 46 Descriptor Bit 47 Descriptor Bit 48 Descriptor ATION 100 – WIEGAND Parity Type 1 ATION 101 – WIEGAND Parity Mask 1	E E E E FORMAT 5 (PARITY TYPE 1 FORMAT 5 (PARITY MASK 12345678	28 29 30 31 32 1) 5	Bit 60 Descriptor Bit 61 Descriptor Bit 62 Descriptor Bit 63 Descriptor Bit 64 Descriptor 0=No Parity; 1=Odd Pa Parity Mask 5	E E E E E	ity
12 13 14 15 16 OC 1 OC 1 2	Bit 44 Descriptor Bit 45 Descriptor Bit 46 Descriptor Bit 47 Descriptor Bit 48 Descriptor ATION 100 – WIEGAND Parity Type 1 ATION 101 – WIEGAND Parity Mask 1 Parity Mask 2	E E E E FORMAT 5 (PARITY TYPE 1 FORMAT 5 (PARITY MASK 12345678 12345678	28 29 30 31 32 1) 5 6	Bit 60 Descriptor Bit 61 Descriptor Bit 62 Descriptor Bit 63 Descriptor Bit 64 Descriptor 0=No Parity; 1=Odd Pa Parity Mask 5 Parity Mask 6	E E E E E arity; 2≕Even Par	ity
12 13 14 15 16 0C/ 1 2 3	Bit 44 Descriptor Bit 45 Descriptor Bit 46 Descriptor Bit 47 Descriptor Bit 48 Descriptor ATION 100 – WIEGAND Parity Type 1 ATION 101 – WIEGAND Parity Mask 1 Parity Mask 2 Parity Mask 3	E E E E FORMAT 5 (PARITY TYPE 1 FORMAT 5 (PARITY MASK 12345678 12345678 12345678	28 29 30 31 32 1) 5 6 7	Bit 60 Descriptor Bit 61 Descriptor Bit 62 Descriptor Bit 63 Descriptor Bit 64 Descriptor 0=No Parity; 1=Odd Pa Parity Mask 5 Parity Mask 6 Parity Mask 7	E E E E E arity; 2≕Even Par	ity
12 13 14 15 16 0C/ 1 2 3 4	Bit 44 Descriptor Bit 45 Descriptor Bit 46 Descriptor Bit 47 Descriptor Bit 48 Descriptor ATION 100 – WIEGAND Parity Type 1 ATION 101 – WIEGAND Parity Mask 1 Parity Mask 2 Parity Mask 3 Parity Mask 4	E E E E FORMAT 5 (PARITY TYPE 1 FORMAT 5 (PARITY MASK 12345678 12345678	28 29 30 31 32 1) 5 6 7 8	Bit 60 Descriptor Bit 61 Descriptor Bit 62 Descriptor Bit 63 Descriptor Bit 64 Descriptor 0=No Parity; 1=Odd Pa Parity Mask 5 Parity Mask 6	E E E arity; 2=Even Par 12345678 	

SEG	DESCRIPTION	DEFAULT	DATA	SEG	DESCRIPTION	DEFAULT	DATA
	ATION 103 - WIEGAND		ITY MASK				
1	Parity Mask 1	12345678		5	Parity Mask 5		
2	Parity Mask 2	12345678		6	Parity Mask 6		
3	Parity Mask 3	5678		7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		
LOC	ATION 104 – WIEGAND		ITY TYPE 3	3)	0=No Parity; 1=Od	ld Parity; 2=Even Pa	rity
1	Parity Type 3	0					
	ATION 105 - WIEGAND	FORMAT 5 (PAR	ITY MASK				
1	Parity Mask 1			5	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		
	ATION 106 - WIEGAND			4)			
1	Parity Type 4	0		-			
1	ATION 107 - WIEGAND		IIY MASK	4)	Parity Mask 5		
2	Parity Mask 1 Parity Mask 2			6	Parity Mask 6		
2	Parity Mask 2			7	Parity Mask 6		
4				8			
	Parity Mask 4 ATION 108 – WIEGAND			-	Parity Mask 8		
1	Parity Type 5			<i>י</i> ן			
	ATION 109 – WIEGAND		ITY MASK	5)		·	
1	Parity Mask 1			5	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		
	GAND FORMA	Тб		-	T any maon o		
I OC.	ATION 110 - WIEGAND	FORMAT 6 (DIGI	TS & BITS				
LOC	ATION 110 – WIEGAND DESCI		TS & BITS)) (DEC		DAT	A
1 LOC	DESCI	RIPTION	TS & BITS)) (DEC	CIMAL DATA) DEFAULT 0	DAT	A
	DESCI Number of Digits in	RIPTION Facility Code	TS & BITS)) (DEC	DEFAULT	DAT	Α
1	DESCI Number of Digits in Number of Digits in	RIPTION Facility Code Badge Number	TS & BITS)) (DE(DEFAULT 0	DAT	Α
1 2	DESCI Number of Digits in Number of Digits in Number of Bits in Fa	RIPTION Facility Code Badge Number acility Code	TS & BITS)) (DE(DEFAULT 0 11	DAT	A
1 2 3	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba	RIPTION Facility Code Badge Number acility Code adge Number) (DE(DEFAULT 0 11 0	DAT	A
1 2 3 4	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei) (DE(DEFAULT 0 11 0 38	DAT	A
1 2 3 4 5	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits)	igand		DEFAULT 0 11 0 38 40	DAT	A
1 2 3 4 5	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) FORMAT 6 (BIT I	igand DESCRIPT	OR 1 -	DEFAULT 0 11 0 38 40 32) HEX DATA		
1 2 3 4 5 LOC	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND a Always Zero; 1 = Alwa	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) FORMAT 6 (BIT I ays One; B = Badg	igand DESCRIPT(ge Number	OR 1 - Bit; D	DEFAULT 0 11 0 38 40 32) HEX DATA 0 = Parity Bit; E = End	d of Format; F = Faci	lity Code Bit
1 2 3 4 5 LOC, 0 = SEG	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND ATION 270; 1 = Alwa DESCRIPTION	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) FORMAT 6 (BIT I ays One; B = Badg DEFAULT	igand DESCRIPT	OR 1 - Bit; D	DEFAULT 0 11 0 38 40 32) HEX DATA 0 = Parity Bit; E = End DESCRIPTION	d of Format; F = Faci DEFAULT	
1 2 3 4 5 LOC 0 = SEG 1	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND ATION 2707; 1 = Alwa DESCRIPTION Bit 1 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) DFORMAT 6 (BIT I ays One; B = Badg DEFAULT D	igand DESCRIPT(ge Number	OR 1 - Bit; E SEG 17	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor	d of Format; F = Faci DEFAULT B	lity Code Bit
1 2 3 4 5 LOC 0 = SEG 1 2	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND = Always Zero; 1 = Alwa DESCRIPTION Bit 1 Descriptor Bit 2 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) DFORMAT 6 (BIT I ays One; B = Badg DEFAULT D B	igand DESCRIPT(ge Number	OR 1 - Bit; E SEG 17 18	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 18 Descriptor	d of Format; F = Faci DEFAULT B B	lity Code Bit
1 2 3 4 5 LOC 0 = SEG 1 2 3	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND = Always Zero; 1 = Alwa DESCRIPTION Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) D FORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B	igand DESCRIPT(ge Number	DR 1 - Bit; E SEG 17 18 19	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 18 Descriptor Bit 19 Descriptor	d of Format; F = Faci DEFAULT B B B B	lity Code Bit
1 2 3 4 5 LOC 0 = SEG 1 2 3 4	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND ATION 111 – WIEGAND AND 2007 1 = Alwa DESCRIPTION Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) DFORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B	igand DESCRIPT(ge Number	OR 1 - Bit; D SEG 17 18 19 20	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 18 Descriptor Bit 19 Descriptor Bit 20 Descriptor	d of Format; F = Faci I DEFAULT B B B B B B	lity Code Bit
1 2 3 4 5 LOC 0 = SEG 1 2 3 4 5	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND = Always Zero; 1 = Alwa DESCRIPTION Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) FORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B B B	igand DESCRIPT(ge Number	OR 1 - Bit; E SEG 17 18 19 20 21	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 19 Descriptor Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor	d of Format; F = Faci DEFAULT B B B B B B B B B	lity Code Bit
1 2 3 4 5 LOC 0 = SEG 1 2 3 4 5 6	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND = Always Zero; 1 = Alwa DESCRIPTION Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) FORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B B B B B B	igand DESCRIPT(ge Number	OR 1 - Bit; D SEG 17 18 19 20 21 21 22	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 18 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor	d of Format; F = Faci DEFAULT B B B B B B B B B B B B B B	lity Code Bit
1 2 3 4 5 LOC. 0 = SEG 1 2 3 4 5 6 7	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND = Always Zero; 1 = Alwa DESCRIPTION Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) PFORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B B B B B B B B	igand DESCRIPT(ge Number	OR 1 - Bit; E 17 18 19 20 21 22 23	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 18 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor	d of Format; F = Faci DEFAULT B B B B B B B B B B B B B B B B B B B	lity Code Bit
1 2 3 4 5 5 LOC 0 = SEG 1 2 3 4 5 6 7 8	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND = Always Zero; 1 = Alway DESCRIPTION Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) FORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B B B B B B B B B B B B B B B	igand DESCRIPT(ge Number	OR 1 - Bit; C SEG 17 18 19 20 21 22 23 24	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor	d of Format; F = Faci DEFAULT B B B B B B B B B B B B B B B B B B B	lity Code Bit
1 2 3 4 5 5 LOC 0 = SEG 1 2 3 4 5 6 7 7 8 9	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND atION 111 – WIEGAND E Always Zero; 1 = Alwa DESCRIPTION Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) PFORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B B B B B B B B B B	igand DESCRIPT(ge Number	DR 1 - Bit; C SEG 17 18 19 20 21 22 23 24 25	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor	d of Format; F = Faci DEFAULT B B B B B B B B B B B B B B B B B B B	lity Code Bit
1 2 3 4 5 LOCC 0 = SEG 1 2 3 4 5 6 7 8 9 10	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND = Always Zero; 1 = Always DESCRIPTION Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) PFORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B B B B B B B B B B	igand DESCRIPT(ge Number	DR 1 - Bit; E SEG 17 18 19 20 21 22 23 24 22 23 24 25 26	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor	d of Format; F = Faci DEFAULT B B B B B B B B B B B B B B B B B B B	lity Code Bit
1 2 3 4 5 LOCC 0 = SEG 1 2 3 4 5 6 7 8 9 10	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND = Always Zero; 1 = Always DESCRIPTION Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor Bit 6 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 10 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) PFORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B B B B B B B B B B	igand DESCRIPT(ge Number	DR 1 - Bit; C SEG 17 18 20 21 22 23 24 22 23 24 25 26 27	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 19 Descriptor Bit 20 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 26 Descriptor Bit 27 Descriptor	d of Format; F = Faci DEFAULT B B B B B B B B B B B B B B B B B B B	lity Code Bit
1 2 3 4 5 LOC 1 2 3 4 5 6 7 7 8 9 10 11 112	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND atION 111 – WIEGAND atION 2007 (1 = Alwa) DESCRIPTION Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) PFORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B B B B B B B B B B	igand DESCRIPT(ge Number	DR 1 - Bit; C SEG 17 18 19 20 21 22 23 24 22 23 24 25 26 27 28	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = Entropological DESCRIPTION Bit 17 Descriptor Bit 19 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 23 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 28 Descriptor Bit 28 Descriptor	d of Format; F = Faci DEFAULT B B B B B B B B B B B B B B B B B B B	lity Code Bit
1 2 3 4 5 LOC 1 2 3 4 5 6 7 7 8 9 10 11 12 13	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND atION 111 – WIEGAND Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 12 Descriptor Bit 12 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 13 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) PFORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B B B B B B B B B B	igand DESCRIPT(ge Number	OR 1 - Bit; C SEG 17 18 19 20 21 22 23 24 22 23 24 22 23 24 25 26 27 28 29	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 18 Descriptor Bit 20 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 28 Descriptor Bit 28 Descriptor Bit 29 Descriptor Bit 29 Descriptor	d of Format; F = Faci DEFAULT B B B B B B B B B B B B B B B B B B B	lity Code Bit
1 2 3 4 5 LOC 1 2 3 4 5 5 6 7 7 8 9 10 11 12 13 14	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND atION 111 – WIEGAND atION 111 – WIEGAND Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 13 Descriptor Bit 13 Descriptor Bit 13 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) PFORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B B B B B B B B B B	igand DESCRIPT(ge Number	OR 1 - Bit; C SEG 17 18 19 20 21 22 23 24 22 23 24 22 23 24 22 23 24 22 23 24 22 23 24 22 23 24 25 26 27 28 29 30	DEFAULT 0 11 0 38 40 32) HEX DATA 0 = Parity Bit; E = Entropy Bit 20 Descriptor Bit 19 Descriptor Bit 20 Descriptor Bit 20 Descriptor Bit 22 Descriptor Bit 25 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 28 Descriptor Bit 29 Descriptor	d of Format; F = Faci DEFAULT B B B B B B B B B B B B B B B B B B B	lity Code Bit
1 2 3 4 5 LOC 1 2 3 4 5 6 7 7 8 9 10 11 12 13	DESCI Number of Digits in Number of Digits in Number of Bits in Fa Number of Bits in Ba Total Number of Bits Format (including pa ATION 111 – WIEGAND atION 111 – WIEGAND Bit 1 Descriptor Bit 2 Descriptor Bit 3 Descriptor Bit 4 Descriptor Bit 5 Descriptor Bit 6 Descriptor Bit 7 Descriptor Bit 8 Descriptor Bit 9 Descriptor Bit 10 Descriptor Bit 10 Descriptor Bit 11 Descriptor Bit 12 Descriptor Bit 12 Descriptor Bit 12 Descriptor Bit 12 Descriptor Bit 13 Descriptor Bit 13 Descriptor	RIPTION Facility Code Badge Number acility Code adge Number in Complete Wei arity bits) PFORMAT 6 (BIT I ays One; B = Badg DEFAULT D B B B B B B B B B B B B B	igand DESCRIPT(ge Number	OR 1 - Bit; C SEG 17 18 19 20 21 22 23 24 22 23 24 22 23 24 25 26 27 28 29	DEFAULT 0 11 0 38 40 32) HEX DATA D = Parity Bit; E = End DESCRIPTION Bit 17 Descriptor Bit 18 Descriptor Bit 20 Descriptor Bit 20 Descriptor Bit 21 Descriptor Bit 22 Descriptor Bit 24 Descriptor Bit 25 Descriptor Bit 25 Descriptor Bit 26 Descriptor Bit 26 Descriptor Bit 27 Descriptor Bit 28 Descriptor Bit 28 Descriptor Bit 29 Descriptor Bit 29 Descriptor	d of Format; F = Faci DEFAULT B B B B B B B B B B B B B B B B B B B	lity Code Bit

LOCATION 112 – WIEGAND FORMAT 6 (BIT DESCRIPTOR 33 - 64)

	TION 112 – WIEGAND				-		
	Always Zero; 1 = Alwa						-
SEG	DESCRIPTION	DEFAULT	DATA	SEG	DESCRIPTION	DEFAULT	DATA
1	Bit 33 Descriptor	B		17	Bit 49 Descriptor	E	
2	Bit 34 Descriptor	B		18	Bit 50 Descriptor	E	
3	Bit 35 Descriptor	B		19	Bit 51 Descriptor	E	
4	Bit 36 Descriptor			20	Bit 52 Descriptor	E	
5	Bit 37 Descriptor	B		21	Bit 53 Descriptor		
6	Bit 38 Descriptor	B		22	Bit 54 Descriptor	E	
7	Bit 39 Descriptor	B		23	Bit 55 Descriptor	E	
8	Bit 40 Descriptor	D		24	Bit 56 Descriptor	E	
9	Bit 41 Descriptor	E		25	Bit 57 Descriptor	E	
10	Bit 42 Descriptor	E		26	Bit 58 Descriptor	E	
11	Bit 43 Descriptor			27	Bit 59 Descriptor	E	
12	Bit 44 Descriptor	E		28	Bit 60 Descriptor		
13	Bit 45 Descriptor	<u> </u>		29	Bit 61 Descriptor	E	
	Bit 46 Descriptor	<u> </u>		30	Bit 62 Descriptor	E	
15	Bit 47 Descriptor	<u> </u>		31	Bit 63 Descriptor	E	
16	Bit 48 Descriptor	E		32	Bit 64 Descriptor	E Desites O From Des	4
1	TION 113 – WIEGAND Parity Type 1	FORMAT 6(PARIT	Y IYPE 1)	0=No Parity; 1=Odd	Parity; 2=Even Par	ity
00/	TION 114 – WIEGAND		TY MASK	1)			
1	Parity Mask 1	12345678		5	Parity Mask 5	12345678	
2	Parity Mask 2	12345678		6	Parity Mask 6		
3	Parity Mask 3	12345678		7	Parity Mask 7		
4	Parity Mask 4	12345678		8	Parity Mask 8		
00/	TION 115 - WIEGAND	FORMAT 6 (PARI	TY TYPE 2	2)	0=No Parity; 1=Odd	Parity; 2=Even Par	ity
1	Parity Type 2	2					
	TION 116 - WIEGAND		TY MASK				
1	Parity Mask 1	12345678		5	Parity Mask 5		
2	Parity Mask 2	12345678		6	Parity Mask 6		
3	Parity Mask 3	5678		7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		4
1	TION 117 – WIEGAND Parity Type 3	ORMAT 6 (PART	ITITPES)	0=No Parity; 1=Odd	Parity; Z=Even Par	ity
	TION 118 – WIEGAND	-	TY MASK	3)			
1	Parity Mask 1			5	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		
.OC/	TION 119 - WIEGAND	FORMAT 6 (PARI	TY TYPE 4	l)			
1	Parity Type 4	0					
	TION 120 - WIEGAND	FORMAT 6 (PARI	TY MASK				
1	Parity Mask 1			5	Parity Mask 5		
	Parity Mask 2			6	Parity Mask 6		
	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		
	TION 121 - WIEGAND		TY TYPE 5	5)			
1	Parity Type 5 TION 122 – WIEGAND			5)			
1	Parity Mask 1	I ORMAT & (PARI	I WASK	5)	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 5		
3	Parity Mask 2			7	Parity Mask 7		
4	Parity Mask 3			8	Parity Mask 8		
_	IGAND FORMAT	7		~			
	TION 123 - WIEGAND		S & PITE				
004			3 a bii3)		DEFAULT	DATA	
1	Number of Digits in F				0	Enin	
2	Number of Digits in E				0		
3	Number of Bits in Fa				0		
4	Number of Bits in Ba				0		
5	Total Number of Bits		and		0		
	Format (including pa		,				
	21			-			

	ATION 124 – WIEGAND						
				-	= Parity Bit; E = End of	-	•
SEG	DESCRIPTION	DEFAULT	DATA	SEG	DESCRIPTION	DEFAULT	DATA
1	Bit 1 Descriptor	E		17 18	Bit 17 Descriptor	E	
2	Bit 2 Descriptor	E		18	Bit 18 Descriptor	E	
4	Bit 3 Descriptor Bit 4 Descriptor	E		20	Bit 19 Descriptor Bit 20 Descriptor	E	
5		E		20		E	
6	Bit 5 Descriptor Bit 6 Descriptor	E		22	Bit 21 Descriptor Bit 22 Descriptor	E	
7	Bit 7 Descriptor	E		23	Bit 23 Descriptor	E	
8	Bit 8 Descriptor	E		24	Bit 23 Descriptor	E	
9	Bit 9 Descriptor	E		25	Bit 25 Descriptor	E	
10	Bit 10 Descriptor	E		26	Bit 26 Descriptor	E	
11	Bit 11 Descriptor	E		27	Bit 27 Descriptor	E	
12	Bit 12 Descriptor	Е		28	Bit 28 Descriptor	Е	
13	Bit 13 Descriptor	Е		29	Bit 29 Descriptor	Е	
14	Bit 14 Descriptor	Е		30	Bit 30 Descriptor	Е	
15	Bit 15 Descriptor	Е		31	Bit 31 Descriptor	Е	
16	Bit 16 Descriptor	E		32	Bit 32 Descriptor	E	
LOC	ATION 125 - WIEGAND	FORMAT 7 (BIT I	DESCRIPT	OR 33		I	
0 =	Always Zero: 1 = Alwa	vs One: B = Bado	ae Number	Bit: D	= Parity Bit; E = End of	Format: F = Facil	ity Code Bit
1	Bit 33 Descriptor	E		17	Bit 49 Descriptor	E	, Dit
2		E		17	Bit 49 Descriptor Bit 50 Descriptor	E	
2	Bit 34 Descriptor Bit 35 Descriptor	E		10	Bit 50 Descriptor	E	
4	Bit 36 Descriptor	E		20	Bit 51 Descriptor	E	
5	Bit 37 Descriptor	E		20	Bit 53 Descriptor	E	
6	Bit 38 Descriptor	E		22	Bit 54 Descriptor	E	
7	Bit 39 Descriptor	E		23	Bit 55 Descriptor	E	
8	Bit 40 Descriptor	E		24	Bit 56 Descriptor	E	
9	Bit 40 Descriptor	E		25	Bit 57 Descriptor	E	
10	Bit 42 Descriptor	E		26	Bit 58 Descriptor	E	
11	Bit 43 Descriptor	E		27	Bit 59 Descriptor	E	
12	Bit 44 Descriptor	E		28	Bit 60 Descriptor	E	
13	Bit 45 Descriptor	Е		29	Bit 61 Descriptor	E	
14	Bit 46 Descriptor	Е		30	Bit 62 Descriptor	Ε	
15	Bit 47 Descriptor	Е		31	Bit 63 Descriptor	Е	
16	Bit 48 Descriptor	Е		32	Bit 64 Descriptor	Е	
LOC	ATION 126 - WIEGAND	FORMAT 7 (PAR		1)	0=No Parity; 1=Odd Pa	arity; 2=Even Pa	rity
1	Parity Type 1	0					
	ATION 127 – WIEGAND	FORMAT 7 (PAR	ITY MASK				
1	Parity Mask 1			5	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		•
1 1	ATION 128 - WIEGAND	FORMAL 7 (PAR 0		2)	0=No Parity; 1=Odd Pa	arity; 2≕Even Pai	rity
	Parity Type 2 ATION 129 - WIEGAND			2)			
1	Parity Mask 1		IT MASK	2)	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		
	ATION 130 - WIEGAND	FORMAT 7 (PAR	ITY TYPE :		0=No Parity; 1=Odd Pa	arity; 2=Even Pa	rity
1	Parity Type 3	0				-	
.00/	ATION 131 – WIEGAND	FORMAT 7 (PAR	ITY MASK		· · · · · ·		
1	Parity Mask 1			5	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		
	ATION 132 - WIEGAND			4)			
1	Parity Type 4	0		1			
1-0C	ATION 133 – WIEGAND	FORMAT 7 (PAR	ITY MASK	4)	Parity Maak F		
2	Parity Mask 1 Parity Mask 2			6	Parity Mask 5 Parity Mask 6		
2	Parity Mask 2 Parity Mask 3			7	Parity Mask 6 Parity Mask 7		
4	Parity Mask 3 Parity Mask 4			8	Parity Mask 7 Parity Mask 8		
-	i anty mask 4			5	i any wask o		

LOCA	TION 134 - WIEGAND	FORMAT 7 (PARITY TYPE	5)			
1	Parity Type 5	0				
LOC/	TION 135 - WIEGAND I	FORMAT 7 (PARITY MASK	5)	· · ·		
1	Parity Mask 1		5	Parity Mask 5		
2	Parity Mask 2		6	Parity Mask 6		
3	Parity Mask 3		7	Parity Mask 7		
4	Parity Mask 4		8	Parity Mask 8		
WE	IGAND FORMAT	' <u>8</u>				
00		FORMAT 8 (DIGITS & BITS)				
	DESCR			DEFAULT	DATA	
1	Number of Digits in F			0	Ditti	
2	Number of Digits in B			0		
3	Number of Bits in Fac			0		
4				0		
5	Number of Bits in Badge Number 0 Total Number of Bits in Complete Weigand 0					
0	Format (including par			v		
		FORMAT 8 (BIT DESCRIPT	OP 1 -			
		· · · · · · · · · · · · · · · · · · ·				
0 =		ys One; B = Badge Number	Bit; D	= Parity Bit; E = End of	Format; F = Facil	ity Code Bit
SEG	DESCRIPTION	DEFAULT DATA	SEG	DESCRIPTION	DEFAULT	DATA
1	Bit 1 Descriptor	Ε	17	Bit 17 Descriptor	Ε	
2	Bit 2 Descriptor	Ε	18	Bit 18 Descriptor	E	
3	Bit 3 Descriptor	Ε	19	Bit 19 Descriptor	E	
4	Bit 4 Descriptor	Ε	20	Bit 20 Descriptor	E	
5	Bit 5 Descriptor	Ε	21	Bit 21 Descriptor	Е	
6	Bit 6 Descriptor	Ε	22	Bit 22 Descriptor	E	
7	Bit 7 Descriptor	E	23	Bit 23 Descriptor	Ε	
8	Bit 8 Descriptor	E	24	Bit 24 Descriptor	Е	
9	Bit 9 Descriptor	E	25	Bit 25 Descriptor	Е	
10	Bit 10 Descriptor	Ε	26	Bit 26 Descriptor	Е	
11	Bit 10 Descriptor	E	27	Bit 27 Descriptor	E	
12	Bit 12 Descriptor	E	28	Bit 28 Descriptor	E	
13	Bit 12 Descriptor	E	29	Bit 29 Descriptor	E	
14		E	30		E	
15	Bit 14 Descriptor	E	31	Bit 30 Descriptor	E	
	Bit 15 Descriptor	E	32	Bit 31 Descriptor	E	
16	Bit 16 Descriptor			Bit 32 Descriptor	E	
		FORMAT 8 (BIT DESCRIPT				
0 =	Always Zero; 1 = Alway	ys One; B = Badge Number	Bit; D	= Parity Bit; E = End of	Format; F = Facil	ity Code Bit
1	Bit 33 Descriptor	E	17	Bit 49 Descriptor	Ε	
2	Bit 34 Descriptor	Ε	18	Bit 50 Descriptor	Е	
3	Bit 35 Descriptor	Ε	19	Bit 51 Descriptor	Е	
4	Bit 36 Descriptor	E	20	Bit 52 Descriptor	E	
5	Bit 37 Descriptor	E	21	Bit 53 Descriptor	E	
6	Bit 38 Descriptor	E	22	Bit 54 Descriptor	E	
7	Bit 39 Descriptor	E	23	Bit 55 Descriptor	E	
8	Bit 40 Descriptor	E	23	Bit 56 Descriptor	E	
9	Bit 40 Descriptor	E	24		E	
		E	25 26	Bit 57 Descriptor	E	
10	Bit 42 Descriptor			Bit 58 Descriptor		
11	Bit 43 Descriptor	<u>Е</u>	27	Bit 59 Descriptor	E	
12	Bit 44 Descriptor	<u> </u>	28	Bit 60 Descriptor	E	
13	Bit 45 Descriptor	<u> </u>	29	Bit 61 Descriptor	E	
14	Bit 46 Descriptor	E	30	Bit 62 Descriptor	E	
15	Bit 47 Descriptor	E	31	Bit 63 Descriptor	E	
16	Bit 48 Descriptor	E	32	Bit 64 Descriptor	E	
		FORMAT 8 (PARITY TYPE	1)	0=No Parity; 1=Odd Pa	arity; 2≕Even Par	ity
1	Parity Type 1	0				
		FORMAT 8 (PARITY MASK		D % M 1 -		
1	Parity Mask 1		5	Parity Mask 5		
2	Parity Mask 2		6	Parity Mask 6		
3	Parity Mask 3		7	Parity Mask 7		
4	Parity Mask 4		8	Parity Mask 8		_
		FORMAT 8 (PARITY TYPE :	2)	0=No Parity; 1=Odd Pa	arity; 2≕Even Par	ity
1	Parity Type 2	0				

LOC	TION 142 - WIEGAND	ORMAT 8 (PAR	TY MASK	2)			
SEG	DESCRIPTION	DEFAULT	DATA	SEG	DESCRIPTION	DEFAULT	DATA
1	Parity Mask 1			5	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		
LOC/	ATION 143 – WIEGAND I	FORMAT 8 (PAR	ITY TYPE 3	3)	0=No Parity; 1=Odd P	arity; 2=Even Pa	rity
1	Parity Type 3	0					
LOC	ATION 144 – WIEGAND I	FORMAT 8 (PAR	ITY MASK				
1	Parity Mask 1			5	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		
LOCATION 145 – WIEGAND FORMAT 8 (PARITY TYPE 4)							
1	Parity Type 4	0					
LOC/	ATION 146 – WIEGAND I	FORMAT 8 (PAR	ITY MASK	4)			
1	Parity Mask 1			5	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		
LOCATION 147 – WIEGAND FORMAT 8 (PARITY TYPE 5)							
1	Parity Type 5	0					
	ATION 148 – WIEGAND	FORMAT 8 (PAR	ITY MASK				
1	Parity Mask 1			5	Parity Mask 5		
2	Parity Mask 2			6	Parity Mask 6		
3	Parity Mask 3			7	Parity Mask 7		
4	Parity Mask 4			8	Parity Mask 8		

X. ORDERING INFORMATION

PART #	DESCRIPTION
NX-1710E	Single Door Control Module
NX-1700E	Proximity Card Reader
NX-848E-KIT	NX-8E Control, NX-148E LED Keypad, 40VA Transformer
NX-848-KIT	NX-8 Control, NX-148E LED Keypad, 40VA Transformer
NX-648-KIT	NX-6 Control, NX-148E LED Keypad, 40VA Transformer

XI. GLOSSARY

TERM	DESCRIPTION
Request To Exit (RTE)	A zone can be programmed to monitor an open door. The RTE activates the onboard relay and sends a message on the buss. (Refer to Loc 0, Pg 11)
Scan	To "present" or pass a card or FOB within sensing range of the card reader module.
Single Beep	An audible indicator (beep).
Single Scan	When a user card is scanned and held at the reader for 1 beep, the reader will perform the functions as programmed in Loc 0, Pg 11
Triple Beep	An audible indicator (beep, beep, beep).
Triple Scan	When a user card is scanned three times at the reader, the reader will perform the functions as programmed in Location 0 & 1, Pgs 11 & 12

XII. FCC INFORMATION

The NX-1710E module has not received any FCC approvals yet.

XIII. UNDERWRITERS LABORATORIES INFORMATION

The NX-1710E module has not received any UL listings yet.

XIV. SPECIFICATIONS

DIMENSIONS	Approx. 3.25"W x 6.00"L x 1"D
OPERATING POWER	12 VDC, Supplied by NX-4, NX-4V2, NX-6, NX-6V2, NX-8, NX-8V2, NX-8E, or NX-320E
CURRENT DRAW	40mA Standby with Green LED 110mA Maximum
OPERATING TEMPERATURE	32 to 120 degrees F
SHIPPING WEIGHT	< 1 lb.



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