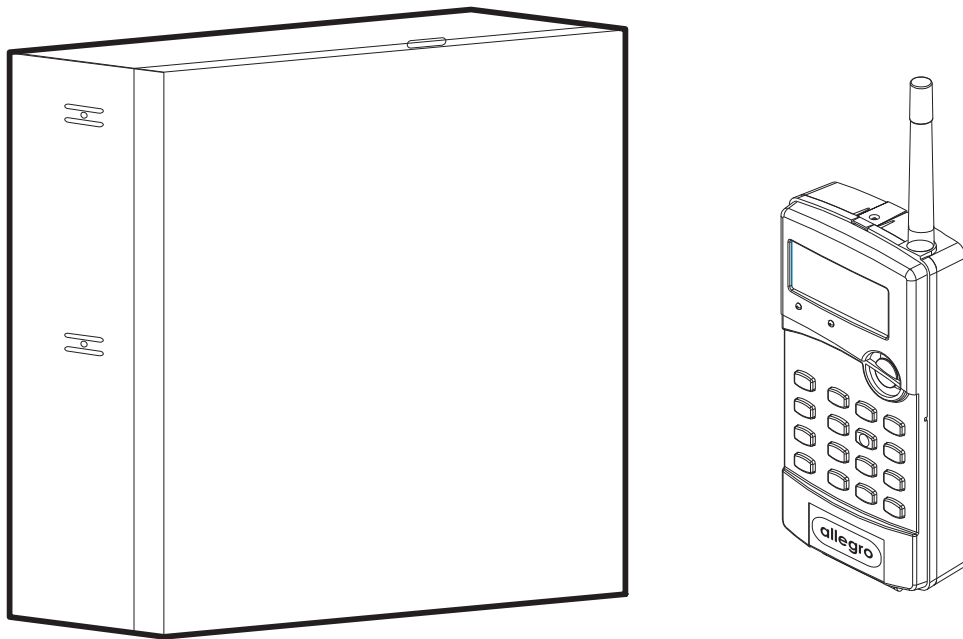


Dialog Quick Collector Installation Instructions



Copyright	Copyright © 2011 Interlogix, a UTC Fire & Security Company. All rights reserved.
Trademarks and patents	Allegro and Dialog are trademarks of UTC Fire & Security. All other trademarks are properties of their owners.
Manufacturer	UTC Fire & Security Americas Corporation, Inc. 1275 Red Fox Rd., Arden Hills, MN 55112-6943, USA
UL listings	UL1023, UL1635
cUL listings	C1023-1974
Technical support	Toll-free: 888.437.3287 in the US including Alaska, Hawaii, Puerto Rico, and Canada. Outside the toll-free area, contact your dealer.
Contact information	For contact information, see www.utcfireandsecurity.com .

Notices

FCC Part 15 Information to the User

Changes or modifications not expressly approved by UTC Fire & Security can void the user's authority to operate the equipment.

FCC Part 15 Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful

interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the affected equipment and the panel receiver to separate outlets, on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

ACTA Part 68

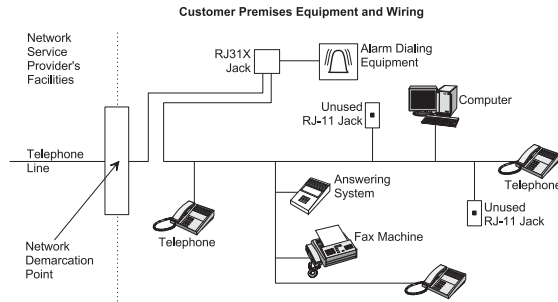
This equipment complies with Part 68 of the FCC Rules. Located on this equipment is a label that contains, among other information, the FCC registration number and the ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.

FCC Part 68 Registration No. B4ZUSA-25644-AL-E

The REN is used to determine the maximum number of devices that may be connected to your telephone line. Excessive RENs on a telephone line may result in devices not ringing in response to an incoming call. In most areas, the sum of all device RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements as adopted by ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compliant modular jack that is also compliant. See the Installation Instructions for details.

Alarm dialing equipment must be able to seize the telephone line and place a call in an emergency situation. It must be able to do this even if other equipment (telephone, answering system, computer modem, etc.) already has the telephone line in use. To do so, alarm dialing equipment must be connected to a properly installed RJ31X jack that is electrically in series and ahead of all other equipment attached to the same telephone line. Proper installation is depicted in the following diagram. If you have any questions concerning these instructions, consult your local telephone company or a qualified installer about installing an RJ31X jack and alarm dialing equipment for you.



If this equipment causes harm to the telephone network, the telephone company may temporarily disconnect your service. If possible, you will be notified in

advance. When advance notice is not practical, you will be notified as soon as possible. You will also be advised of your right to file a complaint with the FCC.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. You will be given advance notice in order to maintain uninterrupted service.

If you experience trouble with this equipment, please contact the company that installed the equipment for service and/or repair information. The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure that the equipment is not malfunctioning.

This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs

Patent Information

This product and the use of this product may be covered by one or more of the following patents: 5,805,063, 5,872,512 5,942,981, 5,686,896, 5,686,885,

4,855,713. Except expressly provided herein, the purchase of this product shall not constitute a license or otherwise provide a right to practice a method covered by any of the identified patents. UTC Fire & Security hereby grants the purchaser of this product a limited, non-exclusive license to practice the methods patented in the identified patents solely with products manufactured, sold or licensed by UTC Fire & Security. This license grant does not extend to the use of unlicensed, third party products with this product.

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About the Collector

The Dialog™ Quick Collector is designed to be a remote dialer for the Allegro™ security system. Up to 96 Allegro panels can be enrolled into the Collector. The Allegro panels communicate with the Collector via 2-way 900 MHz wireless transmissions. Once enrolled into the Collector, the Allegro panels can communicate with a central station through the Collector's modem.

This manual provides information for planning, installing, programming, and testing the Dialog Quick Collector. For more information on the Allegro security system, refer to the *Allegro Installation Instructions (466-1821-01)*.

The Dialog Quick Collector is UL listed with household burglary devices only.

Central Station Reporting

The panel has been tested with the following central station receivers using SIA and Contact ID reporting formats:

- CS-5000 Central Station Receiver
- Sur-Gard Central Station Receiver with models SG-DRL2A and SG-CPM2
- Osborne-Hoffman OH 2000 Central Station Receiver.

Collector System Components

This section describes system components to help you get familiar with the Collector.

The Collector consists of the following components:

- Collector Panel **(600-1005)**
- Backup Battery 12V 4 AH (60-681) OR 12V 7 AH (60-680). See [Specifications](#) for a list of manufacturers.
- Power Transformer Standard Class II 24 VAC, 50 VA Power Transformer (60-778). In Canada Class II 24 VAC, 50 VA Power Transformer (22-107). See [Specifications](#) for a list of manufacturers.
- SuperBus 2000 900 MHz Transceiver **(60-999-900)**
- Alphanumeric Touchpad (60-746-01, 60-803 or 60-804) (only required to program the Collector).

The following components may also be used with the Dialog Quick Collector:

- SuperBus 2000 RF Transceiver (60-821-95, 60-856-95) Up to three RF Transceivers may be used with the Collector.
- SuperBus 2000 Hardwire Input Module (60-774) Up to ten Hardware Input Modules may be used with the Collector.

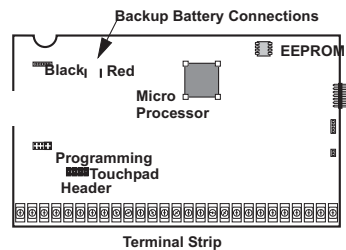
- Hardwire Zone Expander Snapcard (60-757) One Hardwire Zone Expander SnapCard may be used with the Collector.

Collector Panel

Before installing devices and making wiring connections, familiarize yourself with the main Collector components. Figure 1 below shows the main component locations for the Quick Collector circuit board.

Note: Up to three RF transceivers can be used with each collector.

Figure 1: Circuit board main components



SuperBus 2000 900 MHz Transceiver

Note: Only one 900 MHz transceiver can be used with each Collector and must be mounted at least 10 feet (3 meters) from any other 900 MHz transceiver or Allegro panel. Mounting less than 10 feet may reduce RF range.

The SuperBus 2000 900 MHz RF Transceiver Module adds 2-way 900 MHz wireless capability to the Collector. Power for the module is provided by the panel.

SuperBus 2000 RF Transceiver

The SuperBus 2000 RF Transceiver Module adds 319.5 MHz crystal wireless sensor support to the Collector. Power for the module is provided by the panel.

SuperBus 2000 Hardwire Input module

The SuperBus 2000 Hardwire Input Module adds support for eight additional hardwire zones to the Collector. Power for the module is provided by the panel.

Hardwire Zone Expander Snapcard

The Hardwire Zone Expander Snapcard adds support for six additional hardwire zones to the Collector. Power for the module is provided by the panel.

Programming Touchpad

To program the Collector, a programming touchpad must be activated. After programming is complete, the touchpad must be removed. Refer to the “Usi” section for more information.

Installing the Collector

This section describes how to install the system.

Installing the system consists of the following:

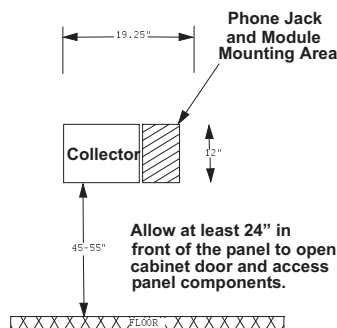
- Determining the Collector Location
- Mounting the Collector
- Connecting the Collector to Earth Ground
- Installing SuperBus 2000 modules
- Installing optional snapcards
- Connecting a Phone Line to the Collector
- Connecting the AC Power Transformer
- Powering Up the Collector

Determine the Collector Location

Before permanently mounting the Collector, determine the location using the following guidelines:

- Centrally locate the Collector with relation to the panels whenever possible.
- Locate the Collector where the temperature will not exceed 120°F (49°C) or fall below 32°F (0°C).
- Avoid running wires parallel with electrical wiring or fixtures such as fluorescent lighting, to prevent wire runs from picking up electrical noise.
- Mount the Collector at a comfortable working height (about 45 to 55 inches from the floor to the bottom of the panel, as shown in Figure 2 below).
- Mount the Collector where there's easy access to a phone line.
- Mount the SuperBus 2000 900 MHz Transceiver in a location that is central to the panels that will be enrolled, away from metal objects and far above ground level.

Figure 2: Determining panel location



- Leave space to the left or right of the panel for wiring, phone jack, and mounting 900 MHz Transceiver.
- Allow at least 24 inches in front of the Collector to open the Collector door.

After determining Collector location, run all necessary wires to that location using the guidelines in Table 1 below.

Table 1: Wire requirements

Device	Wire requirements
AC Power Transformer	2-conductor, 18-gauge, 25 feet max
Earth Ground	Single conductor, 16-gauge solid, 25 feet max
Telephone (RJ-31X)	4-conductor
Transceiver	4-conductor, 14-22 gauge

Mounting the Collector

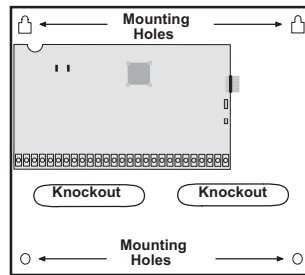
Use the following procedure to mount the Collector to the wall or wall studs.

Caution: Make sure you are free of static electricity whenever you work on the panel with the cover open. To discharge any static, first touch a metal panel chassis, then stay in contact with the chassis when touching the circuit board. Using an approved grounding strap is recommended.

To mount the Collector (see Figure 3 on page 7):

1. Open the Collector door and remove the necessary wiring knockouts. Be careful not to damage the circuit board.
2. Feed all wires through wiring knockouts and place the Collector in position against the wall.
3. Level the Collector and mark the top and bottom mounting holes.
4. Install anchors where studs are not present.
5. Partially insert screws into the two top mounting hole locations, then hang the Collector on the two screws.
6. Recheck for level, insert the two lower screws, and tighten all four mounting screws.

Figure 3: Mounting the collector

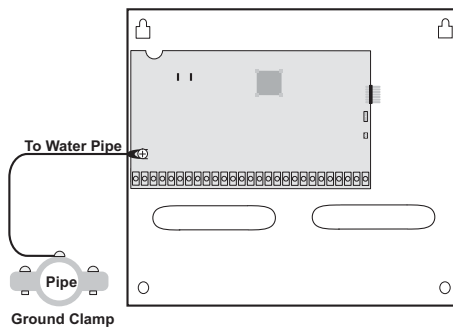


Connecting the Collector to Earth Ground

Note: For best results, it is recommended that you crimp a spade lug on the wire end at the Collector and secure the lug under the circuit board screw as shown in Figure 4 below.

For maximum protection from lightning strikes and transients, connect the lower-left circuit board screw to earth ground as shown in Figure 4 below. Use 16-gauge, solid copper wire from an earth grounded cold water pipe clamp to the Collector.

Figure 4: Connecting the collector to earth ground



Installing the SuperBus 2000 Module (900 MHz Transceiver, RF Transceiver, and Hardwire Input Module)

Mounting the Module

The modules are mounted outside the Collector cabinet.

Caution: To prevent damaging the panel or module, remove the panel AC power transformer and disconnect the backup battery before installation.

You must be free of static electricity before handling circuit boards. Wear a grounding strap or touch a bare metal surface to discharge static electricity.

To mount the module on a wall:

1. Remove the panel AC power transformer and disconnect the backup battery.

2. Remove the module cover and set it aside.
3. Remove the circuit board.
4. Hold the base against the mounting surface and mark the mounting holes.
5. Drill holes and insert the appropriate anchors.
6. Secure the back-plate to the wall with included panhead screws.
7. Replace the circuit board.

Wiring the Module to the Quick Collector

To wire the module to the Quick Collector:

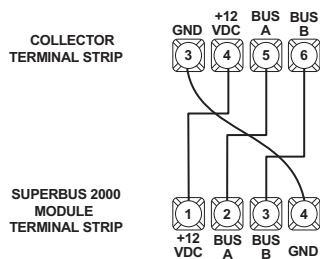
1. Disconnect the Collector power transformer and backup battery.
2. Wire the module to the Collector power and bus terminals as shown in Figure 5 below.

Note: Do not exceed the wire lengths list in Table 2 below

Table 2: Maximum wire lengths

Wire size (gauge)	Max. wire length (feet)
900 MHz Transceiver	
14	600
16	400
18	250
22	100
RF Transceiver	
18	2800
22	1100
Hardwire Input Modules	
18	4000
22	1800

Figure 5: Wiring module to Quick Collector

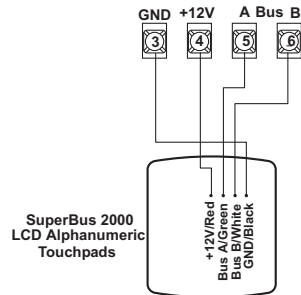


Connecting an Alphanumeric Touchpad

There are two methods for connecting an alphanumeric touchpad to the Collector.

The first method is to connect the touchpad directly to the terminal block as shown in Figure 6 below.

Figure 6: Connecting an Alphanumeric Touchpad to the Collector



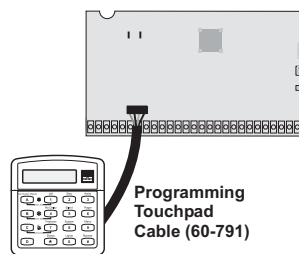
The second method is using a Programming Touchpad. Do not connect the touchpad to the Collector until after the Collector has been powered up.

To connect a programming touchpad to the Collector:

Note: If the system is powered up after the programming touchpad is connected or if a bus command scan is executed, the programming touchpad will be “learned” into the system and must later be manually deleted.

1. Connect the red, black, green, and white wires from the Programming Touchpad Cable (60-791) to the power and bus wires on an alphanumeric touchpad, matching the wire colors on each.
2. Make sure the system is powered up.
3. Connect the plug on the cable onto the panel programming touchpad header (Figure 7 below).
4. Press 8 + 4321 + 0 + 2. The touchpad sounds one short beep. Press * and verify that the display shows SERVICE TOUCHPAD ACTIVE.
5. After programming is completed, simply disconnect the touchpad from the panel header.

Figure 7: Connecting a Programming touchpad

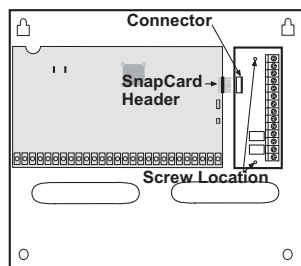


Installing Optional SnapCards

The SnapCard Header on the right side of the panel allows for the installation of one SnapCard. Install the desired SnapCard onto the panel SnapCard Header and secure it in place with two screws, included with the card (Figure 8 below).

Connect all necessary input/output wiring using the *Installation Instructions* included with the card.

Figure 8: Installing a SnapCard into the Panel Expansion Connector



Connecting a Phone Line to the Collector

Note: The Collector cannot be used on a digital or PBX phone line. These systems are designed for digital type devices only, operating anywhere from 5 volts DC and up. The Collector uses an analog modem and does not have a digital converter, adapter, or interface to operate through such systems.

There are two methods for connecting a phone line to the Collector. The first method is a connection directly into an existing phone jack using terminals 24 and 27. The second method is installing an RJ-31X phone jack.

Use the following guidelines when installing an RJ-31X phone jack for system control by phone and central station monitoring.

- Locate the RJ-31X jack (CA-38A in Canada) no further than five feet from the Collector.
- The Collector must be connected to a standard analog (loop-start) phone line, that provides 48 volts DC (on-hook or idle) which increases to 89 to 105 volts DC (ring voltage).
- For full line seizure, install an RJ-31X phone jack on the premises phone line so the Collector is ahead of all phones and other devices on the line. This allows the Collector to take control of the phone line when an alarm occurs, even if the phone is in use or off-hook.
- If an analog line is not available, contact a telecommunications specialist and request an analog line off the phone switch (PBX mainframe) or a 1FB (standard business line).

To connect a phone line to the Collector using an RJ-31X/CA-38A jack:

1. Run a 4-conductor cable from the TELCO protector block to the jack location (see A in Figure 9 on page 11).

2. Connect one end of the cable to the jack (see B in Figure 9 below).
3. At the TELCO protector block, remove the premises phone lines from the block and splice them to the black and white (or yellow) wires of the 4-conductor cable (see C in Figure 9 below).
4. Connect the green and red wires from the 4-conductor cable to the TIP (+) and RING (-) posts on the block (see D in Figure 9 below).
5. If phones will be connected on the same phone line as the Collector, check for a dial tone and the ability to dial out and make phone calls. If phones do not work correctly, check all wiring and correct where necessary. Proceed to the "Troubleshooting" section of this manual if problems persist.

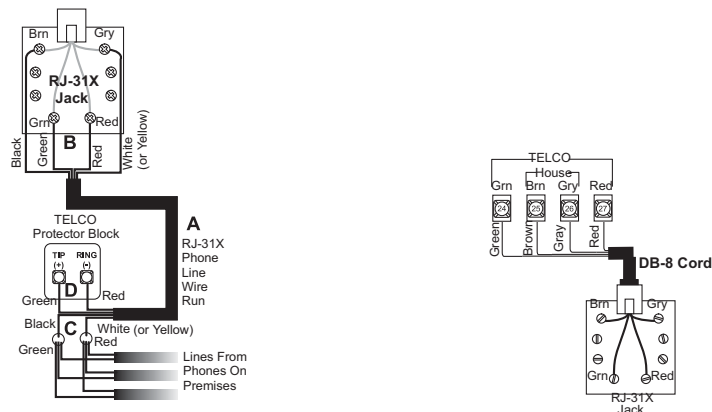
Connecting the Phone Line to the Collector with a DB-8 Cord

After installing the RJ-31X jack, you are ready to connect the phone line to the Collector. A DB-8 cord uses a plug at one end for connecting to the RJ-31X module and flying leads on the other end for Collector terminal connections.

To connect the DB-8 cord to the Collector terminals and RJ-31X jack (see Figure 9 below):

1. Connect the green, brown, gray, and red flying leads from the DB-8 cord to Collector terminals 24, 25, 26, and 27.
2. Insert the DB-8 cord's plug into the RJ-31X.
3. If phones will be connected on the same phone line as the Collector, check for a dial tone and the ability to dial out and make phone calls. If phones do not work correctly, check all wiring and correct where necessary. Proceed to the "Troubleshooting" section of this manual if problems persist.

Figure 9: Connecting an RJ-31X Jack and DB-8 Cord



Connecting the AC Power Transformer

The Collector must be powered by a plug-in stepdown transformer that supplies 24 VAC, 50 VA (60-778). Connect the power transformer to the Collector as shown in Figure 10 on page 12.

Caution: Do not plug in the power transformer at this time. The Collector must be powered up using the sequence of steps described in the next section “Powering Up the Collector”.

Figure 10: Connecting a Power Transformer and Backup Battery



Connecting the Tamper Switch

The ZONE 1 input of the Collector is used for the cover tamper. Connect the tamper switch between the ZONE 1 terminal and the GND terminal. If the cover tamper switch is opened, the Collector will go into alarm state. When this occurs, a report will be sent to the central monitoring station and the touchpad will sound a constant tone and display *POLICE ALARM, MAIN UNIT TAMPER*.

To disarm the Collector:

1. Press 1 + CODE.

If the tamper switch will not be used, ZONE 1 and GND must be shorted.

Powering Up the Collector

After connecting and wiring all devices to the Collector, you are ready to apply AC and backup battery power.

To power up the Collector (see Error! Reference source not found.):

1. Connect the red and black battery leads (included with Collector) to the lugs on the Collector.
2. Connect the other ends of the battery leads to the battery terminals.

Note: If alphanumeric touchpads don't display anything, immediately unplug the transformer and disconnect the backup battery. Refer to the “Troubleshooting” section for more information.

3. Plug the transformer into an outlet that is not controlled by a switch. Alphanumeric touchpads display *******, then *SCANNING BUS DEVICES* and a date and time display.
4. To permanently mount the transformer, unplug it and remove the existing screw securing the AC outlet cover.

WARNING: Use extreme caution when securing the transformer to a metal outlet cover. You could receive a serious shock if a metal outlet cover drops down onto the prongs of the plug while you are securing the transformer and cover to the outlet box.

Programming and Testing the Collector

To program the Collector, an alphanumeric touchpad must be activated. After programming is complete, the touchpad must be removed.

Entering Installer Program Mode

Note: The Collector will report all panel alarms and reports to the central station regardless of what mode it is in.

Entering program mode is done using an installer/dealer code (default = 4321).

To enter installer program mode:

On the programming touchpad, press 8 + 4321 + 0 + 0 (the 0 and 0 must be pressed quickly). The display shows *ACCOUNT NUMBERS*.

Note: After programming is complete, the touchpad must be removed.

You are now in installer program mode. See “Appendix A: Programming Options” for more information on programming the Collector.

Touchpad Button Programming Functions

In program mode, touchpad buttons let you navigate to all installer programming menus for configuring the system. Table 3 below describes the touchpad button functions in program mode

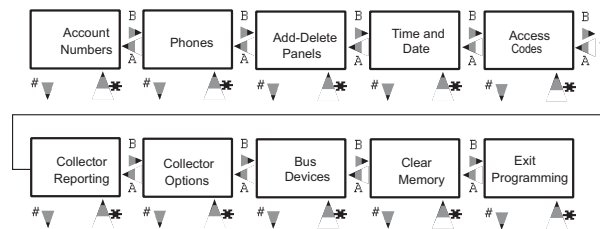
Table 3: Touchpad button function

Button	Programming function
#	Selects menu item or data entry.
*	Deselects menu item or data entry (if pressed before #). Press * from any main programming menu to move to Exit Programming.
A & B	Scroll through available options at the current menu tier.
C	Enters pauses when programming phone numbers.
D	Deletes certain programmed settings.
0 thru 9	Enter numeric values wherever needed.
1 & 2	Select off (1) or on (2) wherever needed.
1 thru 6	Press and hold to enter alphabetical characters A thru F for account numbers.
7 & 9	Press and hold to enter * (7) or # (9) for phone numbers.

Moving Through Program Mode Menus

Figure 11 on page 14 shows the main programming menus for the Dialog Quick Collector.

Figure 11: Program menus



Arrows pointing right represent pressing B to advance forward through the menus. Pressing A moves through the menus in reverse.

Arrows below each menu represent pressing # to advance to those settings that pertain to that menu. Only when a specific menu is displayed can you advance to those settings. For example, from the *TIME AND DATE* menu pressing # gives you access to set the time. Pressing * moves you backwards through those settings.

Using Shortcut Numbers

To go directly to a setting, you can enter the shortcut number for that setting. Shortcut numbers in this manual appear in parenthesis (), next to the setting name. The menu appears to the right. For example the heading below shows the Collector Account Number shortcut to be 0000.

Programming Menu Items

Use the programming touchpad to navigate and program the desired menu items. Refer to [Appendix A: Programming Options](#) for information on programming options. Record changes in menu items in Table 5 on page 30” in Appendix A.

Exiting Programming Mode

Note: The Collector will automatically exit programming mode after 12 hours.

After all installer/dealer programming is completed, use the following procedure to exit programming mode.

To exit programming mode:

1. Press * until the display shows *EXIT PROGRAMMING READY*.
2. Press # and the touchpad displays the time and date.

Verifying Phone Communication

After the Collector has been programmed, perform a phone test to check the phone communication between the Collector and the central monitoring station.

To verify phone communication:

Caution: Be sure to contact the central station before performing a phone test.

1. Make sure a *COLLECTOR ACCOUNT NUMBER* is programmed.
2. Press 8 + system master CODE + 2. The display reads *PHONE TEST* and the touchpad sounds one beep.

If the display continues to show *PHONE TEST* for 3 minutes or more, enter 1 + system master CODE and refer to the “Troubleshooting” section.

Basic System Commands

Table 4 below describes the Collector’s basic alphanumeric touchpad operating commands.

Table 4: Basic Collector operating commands

How to....	Command
Enter installer program mode	8 + CODE + 00
Enter user program mode	9 + CODE
Perform a phone test	8 + CODE + 2
Perform a Collector sensor test	8 + CODE + 3
Activate a programming touchpad	8 + CODE + 02
Perform a BUS scan	8 + CODE + 01
Clear status	1 + CODE
Check system status	Press *
Disarm Collector	1 + CODE

CODE can either be dealer code or installer code

Installing and Enrolling Allegro Panels

Allegro panels should be installed according to the *Allegro Installation Instructions (466-1821-01)*. The Collector programming option on the Allegro panel must be turned ON. After the Allegro panel has been installed, it can be enrolled into the Collector.

To enroll an Allegro panel into the Collector:

Note: At the Allegro panel, verify the Collector programming option is turned ON and the SuperBus 2000 900 MHz Transceiver is connected.

1. With the Collector display showing ADD-DELETE PANELS, press #, the display shows ADD PANELS.
2. Press # and the display shows TRIP PANEL n (n=panel number).
3. Enter installer programming mode on the Allegro panel.
4. With the panel displaying COLLECTOR, press # twice. The panel displays SUCCESS if successfully enrolled.

If successfully enrolled, the Collector will increment its display to the next open panel number.

Proceed to Testing Allegro Panels.

Testing the Allegro Panels

This section describes the three tests that should be performed on each Allegro panel learned into the Collector. The tests are:

Note: Before testing, it is recommended that you have the Collector cabinet door closed. All Allegro panels should be in their final mounted positions. The testing environment should match the system working environment.

- Sensor Test
- Phone Test
- Central Station Communication Test

These system tests should be performed after installation or servicing and after adding or removing devices from the system.

Sensor Test

Sensor tests are needed to test the following:

- wireless link between the Allegro panel and the Collector
- wireless link between the Allegro and its sensors
- hardwire input on the Allegro

To perform a sensor test

1. On the Allegro panel, press 8 + CODE (1234 is default) to enter user programming mode.
2. Press the Unlock key 3 times to scroll to SENSOR TEST.
3. Press # to enter SENSOR TEST.
4. After 10 seconds the panel displays *OK-0X-COLLECTOR* where X is the number of successful test packets transmitted between the Allegro and the Collector.

The Allegro must display OK-Collector and the number of successful test packets must be at least 6 for the Collector to pass the sensor test. If both do not occur, refer to [Appendix C: Troubleshooting](#).

Once the Collector has passed the sensor test, test the other sensors in the Allegro system. Refer to the *Allegro Installation Instructions (466-1821-01)* for information on testing sensors.

Phone Test

Phone tests are needed to test the phone communication with the central station.

To perform a phone test

Caution: Be sure to contact the central station before performing a phone test.

1. Verify that all desired changes to the Collector phone settings have been programmed.

Note: Default code is 1234.

2. On the Allegro panel, press 8 + CODE to enter user programming mode.
3. Press the Unlock key 2 times to scroll to PHONE TEST.
4. Press # to start test. The Allegro will display a blinking TESTING.

Within a couple of minutes, the Allegro should sound a long beep and display TEST PASS. If the panel does not display TEST PASS or it displays PHONE TEST FAIL, refer to [Appendix C: Troubleshooting](#).

Central Station Communication Test

After performing sensor and phone tests, check that the system is reporting alarms successfully to the central station.

To perform a central station communication test

Caution: Be sure to contact the central station before performing activating outputs that trigger from an alarm condition.

1. Arm the Allegro panel.
2. Test each of the touchpad and wireless panic buttons and trip at least one sensor of each type to verify correct operation. Refer to the *Allegro Installation Instructions (466-1821-01)* for more information.

When finished testing the system, call the central station to verify that the alarms were received.

Installing and Enrolling Sensors

When installing hardwire zones, include a 2k-ohm end-of-line, supervision resistor at the last device on each circuit. RF Sensors require that a Crystal RF Receiver (60-821-95) be connected to the Collector.

To enroll a sensor into the Collector

1. With the Collector display showing ADD-DELETE PANELS, press #, the display shows ADD PANELS.
2. Press # and the display shows TRIP PANEL n (n = panel number).
3. Follow the enrollment instructions that were included with the sensor.

When the sensor enrolls, the Collector will increment its display to the next open panel number. Proceed to “Testing the Sensors”.

Testing the Sensors

This section describes two tests that should be performed on each sensor learned into the Collector.

Collector Sensor Test

Sensor test is needed to test the wireless link between the sensors and the Collector.

To perform a Collector Sensor Test

1. Press 8+CODE+3 to enter Collector Sensor Test.
2. Individually trip all zones enrolled into the Collector.
3. If the zone passes the sensor test, the Collector will display:
"PANEL xx" (xx = zone number)
"aaaa HW/RF OK" (aaaa = account number)

If the zone fails the sensor test, the Collector will display
"PANEL xx" (xx = zone number)
"aaaa HW/RF FAIL" (aaaa = account number)
4. After all zones have been tripped and passed, press 1+CODE to exit Collector Sensor Test.

Central Station Communication Test with Sensors

After performing the sensor test, check that the system is reporting alarms successfully to the central station.

To perform a central station communication test

Caution: Be sure to contact the central station before performing activating outputs that trigger from an alarm condition.

1. Activate the sensor.
2. Verify with the central station that the proper alarm signal was reported.

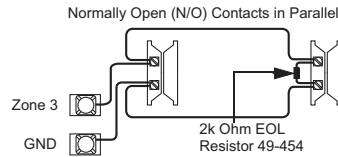
Connecting Hardwire Detection Devices to the Collector

Collector hardwire zone inputs are supervised using included 2k-ohm, end-of-line resistors at the last device on each circuit. All zones accept normally open (N/O) detection devices.

Connecting the Intrusion Detection Devices

Figure 12 on page 19 shows the typical wiring for N/O intrusion detection.

Figure 12: Connecting N/O Intrusion Detection Circuits to the Collector



Appendix A: Programming Options

Appendix A guides you through the programming options for the Dialog Quick Collector.

Account Numbers Menu

The following sections describe the settings that appear under the *Account Numbers* menu.

Collector Account Number (0000)	Code and Account Numbers (Default = 0000)
---------------------------------	---

The Collector account number is used to identify the Collector to the central monitoring station. The Collector sends the Collector Account Number every time it reports a Collector specific event to the central station. Reports sent for events generated from Allegro panels use the Allegro's account number. Account numbers can be 1 to 10 characters long, contain numbers 0-9 and letters A-F.

To program a Collector Account Number:

1. With the display showing *COLLECTOR ACCOUNT NUMBER*, press #.
2. Enter the desired account number. The display flashes the entered number.
3. Press # and the display shows the new number.

Note: If reporting format is CID, the letter A should not be used in the account number.

Panel Account Number Prefix (0010)	Code and Account Numbers (Default = ****)
------------------------------------	---

The account number programmed at the Allegro panel is limited to 4 digits. If a longer account number is desired, program the Panel Account Number Prefix. This number will then be added to the beginning of all Allegro account numbers when central station reports are made.

To program a Panel Account Number Prefix:

1. With the display showing *PANEL ACCOUNT NUMBER PREFIX*, press #.
2. Enter the desired account number prefix. The display flashes the entered number.
3. Press # and the display shows the new number.

Note: Only for installations using SIA reporting format.

To delete a Panel Account Number Prefix:

1. With the display showing *PANEL ACCOUNT NUMBER PREFIX*, press #.
2. Press D, the display shows ****.

Phones Menu

The *PHONES* menu lets you set up central station reporting for the system. The following describes how to program the settings that appear under *PHONES*.

Phone Number (cs phone 1: 0100, cs phone 2: 0110, cs phone 3: 0120)

Phones (Default = none)

This setting is used for programming the central station receiver phone number. Phone numbers can be 1 to 24 digits long, including pauses or * and # characters.

To enter pauses, press C.

To enter *, press and hold 7 for about two seconds.

To enter #, press and hold 9 for about two seconds.

Note: The PHONE NUMBER menus are not accessible if a Dealer Code is programmed and the Installer Code is used to enter installer programming mode. To access these menus when a Dealer Code is programmed, you must enter installer programming mode using the Dealer Code.

Call-waiting services should be disabled to prevent interrupting Collector communication to the central monitoring station. To program a dialing prefix that disables call-waiting, see the Call Wait Cancel setting under the PHONES menu.

Phone 1 should be used for high level reports.

For UL 1635 installations, a phone number must be programmed.

To program a Central Station Phone Number:

1. With the display showing *PHONE NUMBER_* (or current number), enter the desired phone number. The display flashes the entered number.
2. Press # and the display shows the new number.

To delete a Central Station Phone Number:

- With the display showing *PHONE NUMBER* (current number), press D. The display shows *PHONE NUMBER_*.
-

High Level Rpts (cs phone 1: 0101, cs phone 2: 0111, cs phone 3: 0121)

Phones (Defaults:1 = on, 2&3 = off)

When this setting is on, the following events generated from Allegro panels will report to the central station:

Allegro Panel Generated Reports

- Police, Emergency and Duress Alarms
- Receiver Trouble*
- Tamper Alarm Conditions, including Zone Tampers
- Cancel Report
- Exit Error
- RF Interference*
- Recent Closing
- Phone Test*

*Option must also be enabled in panel menu

Note: For UL 1635 installations, this feature must be set to on. In order for Dialog Quick Collector generated events to be reported to the Central Station, either High Level Rpts or Low Level Rpts must be enabled.

To turn High-Level Reports off or on:

1. With the display showing *HIGH LEVEL RPTS OFF/ON* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
2. Press # and the display shows the new setting.

Low Level Rpts (cs phone 1: 0102, cs phone 2: 0112, cs phone 3: 0122)

Phones (Default = off)

When this setting is on, the following events generated from Allegro panels will report to the central station:

Allegro Panel Generated Reports

- AC Failure*
- Forced Arming
- Entering and Exiting Sensor Test Mode
- RF Supervisory
- RF Low Battery
- Low Panel Battery*
- Phone Test*

* Option must also be enabled in panel menu

Note: In order for Dialog Quick Collector generated events to be reported to the Central Station, either High Level Rpts or Low Level Rpts must be enabled.

To turn Low-Level Reports off or on:

1. With the display showing *LOW LEVEL RPTS OFF/ON* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
2. Press # and the display shows the new setting.

Open/Close Rpts (cs phone 1: 0103, cs phone 2: 0113, cs phone 3: 0123)

Phones (Default = off)

This setting determines whether opening and closing reports are sent to the central station. When turned on, the Collector will pass opening and closing reports from the panel to the central station.

To turn Opening/Closing Reports off or on:

1. With the display showing *OPEN/CLOSE RPTS OFF/ON* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Backup (cs phone 1: 0104, cs phone 2: 0114, cs phone 3: 0124)

Phones (Defaults: 1 = on, 2&3 = off)

This setting determines whether or not the Collector uses another programmed central station phone number for reporting if attempts with the first number are unsuccessful.

When Back Up is off, the Collector will make up to eight attempts to deliver a report with the programmed phone number.

When Back Up is set to on, the Collector makes up to 16 attempts to deliver the report, alternating between the programmed phone number and the backup phone number.

CS PHONE 1 is backed up by CS PHONE 2.
CS PHONE 2 is backed up by CS PHONE 1.
CS PHONE 3 is backed up by CS PHONE 1.

Note: For UL listed installations, backup must be set to off.

To turn Backup off or on:

1. With the display showing *BACK UP OFF/ON* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
2. Press # and the display shows the new setting.

Reporting Format (cs phone 1: 0105, cs phone 2: 0115, cs phone 3: 0125)

Phones (Default = CID)

This setting determines whether the Collector uses the SIA or CID (Contact ID) reporting format for central station communication.

To select SIA or CID reporting:

1. With the display showing *REPORTING FORMAT SIA/CID* (current setting), press 1 (for SIA) or 2 (for CID). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

DTMF Dialing (013)

Phones (Default = on)

This setting determines whether the Collector uses DTMF tones (on) or pulse (off) for dialing programmed phone numbers.

To turn DTMF Dialing off or on:

1. With the display showing *DTMF DIALING OFF/ON* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Call Wait Cancel (014)

Phones (Default = none)

This feature lets you set up a dialing prefix to disable the call waiting feature before the Collector makes its first dialing attempt to any programmed central monitoring station phone number. The prefix can be up to eight digits.

To set up Call Wait Cancel:

1. With the display showing *CALL WAIT CANCEL __* (or current setting), enter the desired prefix. The display flashes the entered setting.
2. Press # and the display shows the new setting.

To enter pauses, press C.

To enter *, press and hold 7 for one second.

To enter #, press and hold 9 for one second.

CAUTION: DO NOT change this option from its default if the customer doesn't have call waiting. Verify with the customer that they have call waiting with their phone service provider before changing this option from its default. Changing this option from its default without call waiting will prohibit the panel from calling the central station.

To delete the Call Wait Cancel prefix:

1. With the display showing *CALL WAIT CANCEL __* (or current setting), press D.
-

Dial Tone Detect (015)

Phones (Default = off)

When this setting is on, the Collector begins dialing as soon as it detects a dial tone. When this feature is off, the Collector begins dialing a few seconds after seizing the phone line.

To set up Dial Tone Detect:

1. With the display showing *DIAL TONE DETECT OFF/ON* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Note: There is no Dial Tone Detect on the last dialing attempt.

Add-Delete Panels

The *ADD-DELETE PANELS* menu lets you add and delete panels to and from Collector memory. The following describes how to program the settings that appear under *ADD-DELETE PANELS*.

Add Panels (020)

Add-Delete Panels

The following describes how to add (enroll) panels into Collector memory.

Note: Allegro panel must be in installer program mode. When more than one Collector is being used, only one Collector should be in enroll mode at a time.

To Delete Panels from Collector Memory:

1. With the display showing *ADD-DELETE PANELS*, press # and the display shows *ADD PANELS*.
2. Press # and the display shows *TRIP PANEL n* (*n=panel number*).
3. With the Allegro panel displaying *COLLECTOR*, press # twice. The panel displays *SUCCESS* if successfully enrolled.

The Allegro panel will beep twice when it has been successfully learned in to the Collector.

Delete Panels (021)

Add-Delete Panels

The following procedure describes how to remove panels from Collector memory.

Note: When deleting panels, they will be identified by both the panel number and programmed account numbers in the Collector *DELETE PANELS* menu.

To Delete Panels from Collector Memory:

1. Press A or B until the display shows *DELETE PANELS*.
 2. Press # and the display shows *DELETE PANEL nn ACCOUNT NUMBER* (lowest panel number in Collector memory).
 3. Press # to delete the displayed panel or—use A and B to scroll to the desired panel number.
 4. Press #.
 5. Repeat steps 2 - 4 until all desired panels are deleted.
-

Review Panels (022)

Add-Delete Panels

This menu lets you view panels that are enrolled into the Collector.

To View Panels:

1. Press A or B until the display shows *REVIEW PANELS*.
 2. Press # and the display shows the panel with the lowest account number.
 3. Press A and B to scroll through all learned panels.
-

Sensor Group

Review Panels

This menu lets you modify the sensor group for non-Allegro zones. See Table 6 on page 32 for the group characteristics.

To Modify Sensor Groups:

1. Scroll to the desired zone in the *REVIEW PANELS* menu.
 2. Press # and the display will show *SENSOR GROUP xx* (*xx* = current group).
 3. Enter the desired group and press #.
-

Zone Account Numbers (023)**Add-Delete Panels**

This menu lets you modify the account numbers of the non-Allegro zones. A four digit account number must be entered.

To Modify Zone Account Numbers:

1. Press A or B until the display shows ZONE ACCOUNT NUMBERS.
 2. Press # and the display will show "# TO EDIT SN xx" (xx = zone #) "aaaa HW/RF" (aaaa = account number).
 3. Press A and B to scroll through all non-Allegro zones.
 4. When you find the desired zone, press #.
 5. Enter the desired account number and press #.
-

Time and Date

The *TIME AND DATE* menu lets you set the time and date into Collector memory. The following describes how to program the settings that appear under *TIME AND DATE*.

Time (030)**Time and Date (Default = 00:00)**

This setting lets you adjust the Collector clock to the correct time. The Collector uses a 24-hour clock. For example, to set the time to 4:17 P.M., enter 1617.

To set the Time:

1. With the display showing *TIME AND DATE*, press # and the display shows *TIME hh:mm* (current time).
 2. Enter the correct time (0000–2359). The display flashes the entered time.
 3. Press # and the display shows the new time.
-

Date (031)**Time and Date (Default = 01/01/05)**

This setting lets you adjust the Collector calendar to the correct month, day, and year.

To set the Date:

1. With the display showing *TIME AND DATE*, press #, then A or B until the display shows *DATE nn/nn/nn* (current date).
 2. Enter the correct month (01–12), day (01–31), and year (00–99). For example, enter 090104 for September 1, 2004. The display flashes the entered date.
 3. Press # and the display shows the new date.
-

Daylight Saving (032)**Time and Date (Default = on)**

When this setting is on, the Collector clock automatically adjusts for daylight saving time changes.

To turn Daylight Saving off or on:

1. With the display showing *DAYLIGHT SAVING* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Access Codes

The *ACCESS CODES* menu lets you set the installer and dealer codes into Collector memory. The following describes how to program the settings that appear under *ACCESS CODES*.

Installer Code (040)**Access Codes (Default = 4321)**

The 4-digit installer code is used for entering program mode and changing system settings. If a dealer code is programmed, only those settings not associated with phone numbers can be changed.

Note: The Installer Code cannot be deleted or cleared from Collector memory. To change the Installer Code to its default setting, enter 4321.

To program an Installer Code:

1. With the display showing *INSTALLER CODE nnnn* (current code), enter the desired 4-digit code. The display flashes the entered code.
 2. Press # and the display shows the new code.
-

Dealer Code (041)**Access Codes (Default = ****)**

The 4-digit dealer code is used to prevent unauthorized persons from changing the programmed central station phone numbers. When this feature is enabled, central station phone numbers cannot be changed (unless you enter the program mode by using the dealer code). All other system settings are still accessible by entering the program mode with the installer code.

Note: The Dealer Code cannot be deleted by clearing Collector memory.

To program a Dealer Code:

1. With the display showing *DEALER CODE *****, enter the desired 4-digit code. The display flashes the entered code.
2. Press # and the display shows the new code.

To delete a Dealer Code:

1. With the display showing *DEALER CODE nnnn* (current code), press D. The display shows *DEALER CODE *****.
-

Collector Reporting Options

The *COLLECTOR REPORTING* menu lets you set up central station reporting for Collector events. The following describes how to program the settings that appear under *COLLECTOR REPORTING*.

Back in Service (0500)**Collector Reporting Opts (Default = off)**

When this setting is on, the Collector reports to the central station when AC and backup battery power are restored to the Collector (after an extended power outage).

To turn Back In Service reports off or on:

1. With the display showing *BACK IN SERVICE* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Low Battery (0501)**Collector Reporting Opts (Default = on)**

When this setting is on, the Collector reports to the central station when its backup battery power is low.

Note: For UL installations, low battery must be set to on.

To turn Low Battery reports off or on:

1. With the display showing *LOW BATTERY* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

AC Failure (0502)**Collector Reporting Opts (Default = on)**

When this setting is on, the Collector reports to the central station 15 minutes after AC power to the Collector is lost.

Note: For UL listed installations, AC Failure must be set to on.

To turn AC Failure reports off or on:

1. With the display showing *AC FAILURE* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Receiver Failure (0503)**Collector Reporting Opts (Default = on)**

When this setting is on, the Collector reports a receiver failure when no panel signals have been received for two hours or bus communication is lost with the receiver. It will be reported again at every supervisory time until the failure has been fixed.

Note: For UL Listed installations, Receiver Failure must be set to on.

To turn Receiver Failure reports off or on:

1. With the display showing *RECEIVER FAILURE* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

RF Supv Report (0504)**Collector Reporting Opts (Default = on)**

When this setting is on, the Collector will generate a report to the central station when the Collector detects a supervisory condition. When this setting is off, supervisory conditions will still be displayed at the touchpad, but will not be reported to the central station.

To set RF Supv Report to daily or weekly:

1. With the display showing *RF SUPV REPORT* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Supv Report Repeat (0505)**Collector Reporting Opts (Default = weekly)**

This setting determines whether the Collector sends daily or weekly reports to the central monitoring station when the Collector detects a supervisory condition on a panel.

To set Supv Report Repeat to daily or weekly:

1. With the display showing *SUPV REPORT REPEAT* (current setting), press 1 (daily) or 2 (weekly). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

RF Supv Timeout (0506)**Collector Reporting Opts (Default = 2 hours)**

This setting determines how many hours (2–4) the Collector has to receive at least one signal from a panel. If the Collector does not receive a supervisory signal from any panel within the set time, the Collector reports a supervisory condition to the central station.

To set the RF Supv Timeout:

1. With the display showing *RF SUPV TIMEOUT* (current setting), enter the desired timeout value (2–4). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Supervisory Time (0507)**Collector Reporting Opts (Default = set randomly between 1:00 and 4:00)**

This setting determines what time of day the Collector sends supervisory, low battery, or auto phone test reports to the central station.

Note: The Collector clock must be set with the correct time for accurate supervisory time reporting. See “Time and Date” menu.

To set the Supervisory Time:

1. With the display showing *SUPERVISORY TIME* (current setting), enter the desired 4-digit time value. For example, enter 0330 to set the supervisory time for 3:30 A.M. The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Auto Phone Test (0508)**Collector Reporting Opts (Default = on)**

This setting determines if the Collector sends a phone test automatically to the central station on a predetermined schedule. (Refer to the “Phone Test Freq.” and “Next Phone Test” settings for more information).

To turn Automatic Phone Test off or on:

1. With the display showing *AUTO PHONE TEST* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Phone Test Freq (0509)**Collector Reporting Opts (Default = 24 hours)**

This setting determines how often the Collector conducts the automatic phone test (see “Auto Phone Test”). The system can be set to perform an automatic phone test anywhere from every hour to every 255 hours. If this option is set to 24 hours or a multiple of 24 hours, Auto Phone Test will occur at supervisory time.

To set the Phone Test Freq:

1. With the display showing *PHONE TEST FREQ* (current setting), enter the number of hours (1–255). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Next Phone Test (0510)**Collector Reporting Opts (Default = 24 hours)**

This setting is used by the Auto Phone Test feature to determine when the next automatic phone test should occur. This setting should be the same as, or less than, the Phone Test Freq. setting.

To set the Next Phone Test:

1. With the display showing *NEXT PHONE TEST nnn HOURS* (current setting), enter the number of hours (1–255). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Auto Test Reset (0511)

This setting determines whether or not the Auto Phone Test interval is reset after any successful report to the central monitoring station. (Refer to the “Phone Test Freq.” and “Next Phone Test” settings).

When this feature is on, the Collector considers any successful report to the central monitoring station to be a successful phone test. Thus, any Collector report resets the Next Phone Test setting to the Phone Test Freq. value. The Collector only conducts an Auto Phone Test if no other reports have been made during the Phone Test Freq. time period.

Note: Phone Test Freq must be set to 2 or higher for Auto Test Reset to work.

When this feature is off, an Auto Phone Test is always conducted according to the schedule of the Phone Test Freq. setting, even if the Collector makes other reports to the central monitoring station during that time period.

Collector Reporting Opts (Default = off)

To turn Auto Test Reset off or on:

1. With the display showing *AUTO TEST RESET* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Collector Options

COLLECTOR OPTIONS menu lets you change Collector options.

Collector TRBL (060)**Collector Options (Default = off)**

This setting determines if Collector power supply troubles (AC and low battery) are indicated at the Allegro panels. If set to ON, Collector AC or low battery trouble will be indicated at the enrolled Allegro panels.

Note: For UL listed systems, this option must be set to on.

To turn Collector TRBL off or on:

1. With the display showing *COLLECTOR TRBL* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Provisional Alarm (061)**Collector Options (Default = on)**

This setting determines if the Collector can generate a central station burglary alarm report for a panel that starts an entry delay and does not cancel it. When this feature is OFF, an alarm is only sent if the panel communicates to the Collector that there is an alarm. This setting can allow alarm reports to be communicated to the central station in the event an intruder enters and tampers with the Allegro panel before the entry delay expires.

To turn Provisional Alarm off or on:

1. With the display showing *PROVISIONAL ALARM* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Disable TR Beeps**Collector Options (Default = on)**

When this settings is on, the Collector will not beep when there is a trouble condition.

To turn Disable Trouble off or on:

1. With the display showing *DISABLE TR BEEPS* (current setting), press 1 (off) or 2 (on). The display flashes the entered setting.
 2. Press # and the display shows the new setting.
-

Bus Devices

BUS DEVICES menu lets you read bus device unit numbers and configure other features associated with a specific bus device.

**Unit-ID-NN-XXXXXXXXX
(07NN)****Bus Devices (Default = **** or none)**

This menu lets you identify all connected bus devices, view each Unit Number, view the Device ID number, and configure other settings based on a specific device. This menu also lets you delete learned bus devices.

To identify bus device Unit and ID:

1. With the display showing *BUS DEVICES*, press #. The display shows the bus Unit Number and the 8-digit Device ID number. For example: *UNIT - ID 0—02110185*. Where 0 is the Unit Number and 02110185 is the Device ID number.
2. Press A or B to identify all other bus Unit Numbers (0–15) and Device ID numbers.
3. To access individual Bus device menus, press # when the desired device is displayed.

Note: To help identify bus devices, the 8-digit Device ID number is also located on a label on each SuperBus 2000 device.

To delete learned Unit Numbers:

1. With the display showing *BUS DEVICES*, press #. The display shows the bus device set to Unit Number 0.
 2. Press A or B until the bus device Unit Number you want to delete is displayed.
 3. Press D. The display changes the Unit Number to *NONE*.
-

Device ID**Bus Devices-Unit ID-Change ID (Default = none)**

This menu lets you change the bus device ID number when replacing a defective bus device.

To change a Device ID:

1. With the display showing the desired bus device, press # + #. The display shows *DEVICE ID* (current ID).
 2. Enter the ID of the new bus device. The display flashes the entered selection. Press # and the display shows the new setting.
 3. Exit programming mode.
 4. Remove AC and battery power from the Collector.
 5. Replace the defective bus device with a new one.
 6. Apply AC and battery power to the Collector.
-

Status Beeps	Bus Devices-Unit ID-Keypad Options (Default = off)
<p>This setting determines whether or not the selected touchpad sounds status beeps. Each touchpad can be set individually.</p> <p>Note: This menu will only appear for touchpads.</p>	<p>To turn touchpad Status Beeps on or off:</p> <ol style="list-style-type: none"> 1. With the display showing the desired touchpad, press # then A or B until the display shows <i>KEYPAD OPTIONS</i>. 2. Press # and the display shows <i>STATUS BEEPS</i> (current setting). 3. Press 1 (off) or 2 (on) to select the desired setting. The display flashes the entered selection. Press # and the display shows the new setting.

Key Beeps	Bus Devices-Unit ID-Keypad Options (Default = on)
<p>This setting determines whether or not selected touchpads beep when their buttons are pressed.</p> <p>Note: This menu will only appear for touchpads.</p>	<p>To turn Key Beeps on or off:</p> <ol style="list-style-type: none"> 1. With the display showing the desired touchpad, press # then A or B until the display shows <i>KEYPAD OPTIONS</i>. Next, press # then A or B until the display shows <i>KEY BEEPS</i> (current setting). 2. Press 1 (off) or 2 (on) to select the desired setting. The display flashes the entered selection. Press # and the display shows the new setting.

Clear Memory

The Clear Memory menu lets you clear the Collector memory. The following describes how to program the settings that appear under Clear Memory.

Clear Memory (08)	Clear Memory
<p>This setting lets you clear the Collector memory to default settings.</p> <p>Note: If a dealer code is programmed, the central station phone number(s) will not be cleared unless program mode was entered using the dealer code. The dealer code will never be cleared by clearing memory.</p>	<p>To clear Collector memory:</p> <ol style="list-style-type: none"> 1. With the display showing <i>CLEAR MEMORY</i>, press # until the display shows <i>ENTER CODE TO CLEAR MEMORY</i>. 2. Enter installer or dealer code. 3. Press # and the memory is cleared.

Collector Settings

Table 5 below gives you a place to record the Collector option settings.

Table 5: Collector settings index and record

Setting (reference) default	Shortcut No.	Default	Setting
Installer Programming—8 + Installer/Dealer CODE + 00			
AC Failure	0502	ON	
Auto Phone Test	0508	ON	
Auto Test Reset	0511	OFF	
Back In Service	0500	OFF	
Backup	01N4 (N=0-2)	1=ON, 2&3=OFF	

Call Wait Cancel	014	NONE
Collector Account Number	0000	00000
Collector Trouble	060	OFF
Daylight Saving	032	ON
Dealer Code	041	****
Dial Tone Detect	015	OFF
Disable TR Beeps	62	ON
DTMF Dialing	013	ON
High Level Reports	01N1 (N=0-2)	1=ON, 2&3=OFF
Installer Code	040	4321
Key Beeps		ON
Low Battery	0501	ON
Low Level Reports	01N2 (N=0-2)	OFF
Next Phone Test	0510	24 HOURS
Open/Close Reports	01N3 (N=0-2)	OFF
Panel Account Number Prefix	0010	****
Phone Number	01N0 (N=0-2)	NONE
Phone Test Freq.	0509	NONE
Provisional Alarm	061	ON
Receiver Failure	0503	ON
Reporting Format	01N5 (N=0-2)	CID
RF Supv Report	0504	ON
RF Supv Timeout	0506	2 HOURS
Status Beeps		ON
Supv Rpt Repeat	0505	WEEKLY
Supervisory Time	0507	RANDOM BETWEEN 01:00 AND 04:00

Appendix B: Sensors

The Collector is UL Listed with Household Burglary devices only.

Sensor characteristics are defined by Table 6 below.

Table 6: Collector Sensor Groups

How to....	Command	Command	Command
50	Burglary	Y	Y
51	Environmental	Y	Y
52	Environmental	N	Y
53	Police Panic	Y	Y
54	Police Panic	Y	N
55	Police Panic	N	N
56	Auxiliary	Y	Y
57	Auxiliary	Y	N
58	Auxiliary	N	N
59	Carbon Monoxide	Y	Y

Note: Group 59 should be used for Carbon Monoxide Sensors only.

The sensors listed in Table 7 below can be enrolled into the Collector.

Table 7: Wireless sensors supported by the collector

UTC Part Numbers	Product Name
60-362-10-319.5	Learn Mode Door/Window Sensor
60-641-95	LM Door/Window Sensor Long Life Battery
60-499-10-319.5	Learn Mode Slim Line Door/Window Sensor
60-873-95*	Learn Mode ShatterPro Glass Break Sensor
60-886-95*	Learn Mode Shock Sensor
60-452-10-319.5	Learn Mode Pendant Panic
60-578-10-95	Learn Mode Water Resistant Pendant Panic
60-652-95*	Carbon Monoxide Detector
60-504-10-319.5*	Learn Mode Freeze Sensor
80-922-1*	Repeater

* These devices are not listed, investigated, or verified by UL.

Appendix C: Troubleshooting

This section describes what to do if you experience problems with system operation. If after performing the troubleshooting procedures the Collector still malfunctions, please call Technical Support at 1-888-437-3287.

Feature	Problem	Action/Solution
Collector Power	Collector does not power up. Touchpads don't display or respond.	<ol style="list-style-type: none">1. Verify that the Collector transformer is plugged into an unswitched outlet.2. Check the AC circuit breaker to be sure the circuit is live.3. Check that the backup battery is installed correctly and the AC power transformer is plugged in.4. Check for proper Collector and transformer wiring.5. Measure the incoming AC voltage at Collector terminals 1 and 2. It should read about 24 VAC.
	No incoming AC voltage at Collector terminals 1 and 2.	<ol style="list-style-type: none">1. Unplug the AC power transformer and disconnect the wires from the transformer and the Collector.2. Check transformer to Collector wire for short or open circuits.3. Plug in the transformer and check for 24 VAC at the transformer unconnected terminals. If zero (0) volts, replace the transformer.
	Touchpad display indicates <i>System Low Battery</i> .	<ol style="list-style-type: none">1. Check that the backup battery is installed correctly and the AC power transformer is plugged in.2. Measure the incoming AC voltage at Collector terminals 1 and 2. It should read about 24 VAC.3. Check for 11.75 to 14.5 VDC battery voltage between the backup battery spade lugs. If the battery voltage is not within this range, replace the battery. <p>Note: When the Collector is running a backup battery test, the reading at the connected battery can range from 11.2 to 13.5 VDC. The Collector automatically runs a backup battery test under the following conditions: (1) on initial power-up, (2) during user sensor test, (3) once every minute when backup battery has failed, (4) once every 24 hours at the programmed STIME.</p> <p>With the AC power transformer plugged in, the Collector automatically charges the battery. While the battery is charging for the first time it is normal for the system to indicate System Low Battery. This can take a number of hours depending on the initial battery charge. Once the battery reaches 12.5 VDC (full charge as measured while in battery test), the condition clears. If the trouble condition persists after 24 hours, replace the backup battery.</p>
	After pressing STATUS the touchpads flash <i>AC</i> or display <i>AC Power Failure/AC Failure</i> . (Collector continues to operate from backup battery).	

-
1. Check the AC circuit breaker to be sure the circuit is live.
 2. Check for proper Collector and transformer wiring.
 3. Check that the transformer is plugged into a nonswitched outlet and secured with the provided screw.
 4. Check that the transformer is supplying AC to the Collector. (Transformer internal fuse may be blown.)

WARNING: Be careful when securing the transformer to an outlet with a metal cover. Hold the cover tightly in place. You could receive a serious shock if the metal outlet cover drops down onto the prongs of the plug while you are securing the transformer and the cover to the outlet box.

Access Codes

Installer cannot remember install code.

1. Check your records to see if you have the install code on file.
 2. Use the Dealer Code to enter program mode and view the installer code.
-

Installer cannot remember dealer code.

Check your records to see if you have the dealer code on file.

Programming

Allegro won't learn into Collector.

1. Check that Collector is in Add Panels mode.
 2. Check that SuperBus 2000 900 MHz Transceiver connected to Collector.
 3. Check that Allegro is already learned into Collector
 4. Check that Transceiver is plugged into back of Allegro panel.
 5. Check that Collector and Allegro are in RF range (if not, relocate Allegro OR enroll through an Allegro Repeater, see Allegro Installation Instructions 466-1821-01 for more information).
-

SuperBus 2000 900 MHz Transceiver

Green LED on Transceiver does not light up when Collector is powered up.

1. Check that the transceiver is properly wired to the Collector.
 2. Check that power is being supplied to the Collector.
 3. Make sure the transformer is not plugged into an outlet that is controlled by a switch.
-

Alphanumeric Touchpads

Display shows all *****.

Touchpad is not connected to Collector bus terminals or is wired incorrectly. Check and correct wiring.

Display is blank.

1. Check that Collector is powered up.
 2. Check for touchpad power and/or bus miswiring, opens, or shorts.
 3. Check touchpad brightness setting (see the user-programming *OPTIONS* menu in the "Programming" section).
-

Touchpad buttons don't beep when pressed.

-
1. Check for touchpad power and/or bus miswiring, opens, or shorts.
 2. Check that key beeps option is set to on (see the *BUS DEVICES* menu in the "Programming" section).
-

Sensor Test

Allegro sensor test displays less than six successful test packets.

Collector and Allegro are out of range. Relocate Allegro panel OR learn in through Allegro Repeater (see Allegro Installation Instructions 466-1821-01 for more information).

Phones

Loss of dial tone at on-site phones after wiring RJ-31X jack or connecting the DB-8 cord.

1. Wait 2 minutes and try again. The Collector may be busy trying to report to the central station.
 2. Disconnect the Collector DB-8 cord from the RJ-31X jack. If the phone still doesn't work, the system is okay and the problem is in the wiring.
 3. Check RJ-31X jack wiring and TELCO block wiring. Replace RJ-31X jack if necessary.
 4. Check DB-8 cord connections at the Collector and RJ-31X jack. Replace cord if necessary.
 5. Perform a phone test after troubleshooting the phone line.
-

Constant dial tone, preventing dial-out on premises phones.

One or more polarity-sensitive phones exist on-site. Reverse the phone wires connected to the brown and gray wire terminals on the RJ-31X jack.

Specifications

Power requirements	<p>Class II, 24 VAC, 50 VA, 60 Hz Power Transformer, UTC part no. 60-778 Manufacture (Part no.) Basler Electric (BE116450-CAA)</p> <p>Class II, 24 VAC, 50 VA, 60 Hz Power Transformer, UTC part no. 22-107 Manufacture (Part no.): Basler Electric (BE116450AAA)</p>
Rechargeable batteries	<p>12 VDC, 4 Ah Lead-Acid, UTC part no. 60-681 Manufacture (Part no.): Enduring (CB-4.5-12), Energys (NP4.5-12), G.S Battery (PE12V4.5), or Leoch Battery Corp. (DJW12-4.5)</p> <p>OR</p> <p>12 VDC, 7Ah, UTC part no. 60-680 Manufacture (Part no.): G.S. Battery (PE12V7.2) or Global & Yuasa Battery (ES7-12)</p> <p>This battery will last 24 hours with no AC and specified standby load.</p>
Radio frequency	902-928 MHz, 319.5 MHz
Nominal range	900 MHz transceiver: 5000 feet open-air receiving range. May vary with application. RF transceiver (319.5 MHz): 3500 feet open-air receiving range when mounted in a metal enclosure.
Storage temperature range	30° to 140° F (-34° to 60° C)
Operating temperature range	32° to 120 ° F (0° to 49° C)
Maximum humidity	85% Relative Humidity (non-condensing)
Dimensions	12 in. (30.5 cm) x 12 in. (30.5 cm) x 3.0 in. (7.6 cm) (H x W x D)