CDMA-X Communicator – Quick Installation Guide
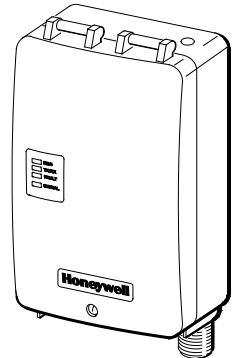
For Online Support visit: http://www.security.honeywell.com/hsc/resources/MyWebTech/

General Information

The CDMA-X Communicator easily connects to your security system's control panel and sends alarms and messages to AlarmNet for subsequent transfer to the central monitoring station. The communicator can be mounted directly on the control panel or remotely.

NOTE: This guide addresses a simple installation using default programming values where possible. For detailed information, refer to the CDMA-X Communicator Installation and Setup Guide. Due to Honeywell's continuing effort to improve our products, your device may look slightly different than pictured.

- The CDMA-X requires an AlarmNet account. For new installations, please obtain the account information from the central station prior to programming the communicator.
- The CDMA-X is for control panels that support communicators (or LRR, Long Range Radio) and the ECP communications bus. For control panels that do not support ECP, refer to the installation guide to use the 4204 mode.
- The control panel treats the communicator as an ECP device, so ensure to program the control panel with the communicator's device address.
- The CDMA-X is for indoor use only. Standby current is 40mA, and maximum Transmit current is 300mA.

REMOTE SERVICES

Honeywell offers secure web based services that enable users to remotely monitor and control their security system. These web services enable users to: monitor and control their security system from a website, receive email and text message notifications of system events, and use text messages to control the system and receive confirmations.

Dealers can enroll their customers for "Remote Services" by using the AlarmNet Direct website. Once enabled, the specific programming fields associated with these features can be programmed into the communications device either remotely using the AlarmNet Direct website or locally using the 7720P programming tool.

1. Mount and Wire the Communicator

SELECT A MOUNTING LOCATION

When choosing a suitable mounting location, understand that it must be mounted indoors, and for best signal strength it should be mounted vertically. Signal strength is very important for proper operation. For most installations, mounting the unit on the control panel provides adequate signal strength and we suggest that this method is tried first (especially if the control panel is not in a basement location or in an area that contains large metal objects).

If the control panel location does not provide adequate signal strength, then the communicator can be mounted remotely.

NOTE: The communicator must be ACTIVATED first in order for signal strength to be determined.

ACTIVATE THE COMMUNICATOR

Go to: https://services.alarmnet.com/AlarmNetDirect/
If you are not signed up for this service, click on "Dealer Signup" from the login screen to set up your dealer account. You will be instructed how to proceed upon completing the sign-up form. Only one sign-up per dealer is required. Once an initial user is established, additional logins may be created.

Log in and follow the on-screen prompts. At this time only activate the communicator so signal strength may be checked. DO NOT register the communicator at this time. Please have the following information available to activate the communicator:

- MAC ID and MAC CRC number (located on the box and inside the communicator).

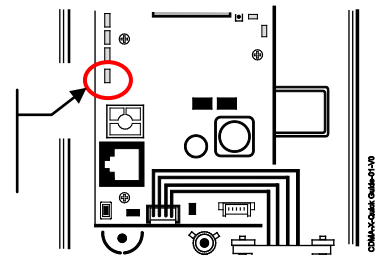You may log out of the AlarmNet Direct website.

VERIFY SATISFACTORY SIGNAL STRENGTH

In this procedure you will temporarily power up the communicator to check for satisfactory signal strength. You can power it from a 12V battery or from the control panel's AUX PWR terminals. In buildings where reception may be a problem, powering from a battery would allow the communicator to be portable. The following procedure assumes the control panel will be used for power.

1. Ensure power to the control panel (both AC and battery) is off. Open the enclosure and connect the ECP cable to the communicator. Temporarily attach the Black and Red wires to the GND and AUX PWR terminals of the control panel. DO NOT connect the Yellow and Green wires at this time.
2. Turn power on and wait about one minute for the communicator to initialize. Position the communicator near a suitable mounting position. Verify the Minimum Signal Strength LED (green) is lit steadily.
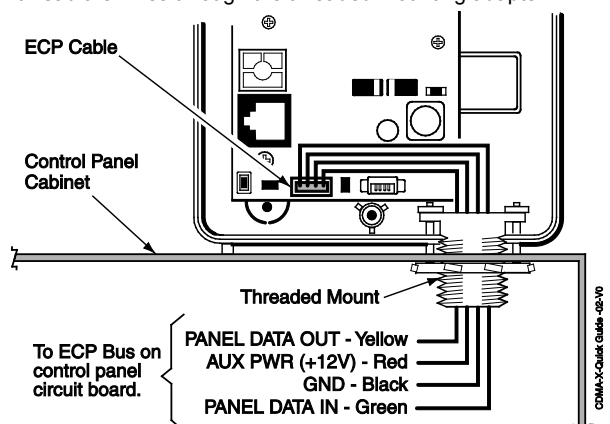
3. Verify the signal strength remains steady for a few minutes, then mark that mounting position. Turn power off.

Signal Strength
ON = Satisfactory
OFF = Unsatisfactory

MOUNT THE COMMUNICATOR ON THE CONTROL PANEL

1. Ensure power to the control panel (both AC and battery) is off, then remove a knockout on the top right.
2. Open the cover and remove the bottom knockout for the threaded mount. Remove the Hole Cap attached to the plastic, and snap it into the top of the enclosure.
3. Install the threaded mount so it snaps into the plastic retaining tabs. Mount the communicator in the cabinet's knockout, and fasten with the locking nut.
4. Connect the ECP cable to the communicator's circuit board and thread the wires through the threaded mounting adapter.

ECP Cable

Control Panel Cabinet

Threaded Mount

To ECP Bus on control panel circuit board.

PANEL DATA OUT - Yellow
AUX PWR (+12V) - Red
GND - Black
PANEL DATA IN - Green

NOTE: Although mounting the communicator on the control panel is preferred, it may also be wall mounted. When wall mounting, please follow these guidelines:

- Use both mounting holes to fasten.
- Route the wiring through the communicator's rear or bottom wiring access hole.
- Ensure all wiring splices are located within the communicator's enclosure.
- Secure all wiring with ties as necessary.
- Follow the recommended wire gauge sizes.

Minimum Wire Gauge	Distance from Control Panel
#22	75 ft (23m)
#20	120 ft (37m)
#18	170 ft (52m)
#16	270 ft (82m)

2. Program and Register the Communicator

You can quickly program and register the communicator by using the AlarmNet Direct website, using the 7720P Programming Tool, or by phone.

In addition, after you program the communicator, you can register it by using the Test Message / Registration switch.

Using the AlarmNet Direct website to program and register:

1. Log in as you did to activate the communicator.
2. Refer to the online help file to program the new device.
3. Register the communicator.
4. DONE.

Using the 7720P Programming Tool to program and register:

1. This procedure will program the CDMA-X for basic control panel communications. For advanced features and remote services refer to the product's *Installation and Setup* guide.
2. Ensure the system is powered up and connect the programming tool to the communicator.
3. Accept all default settings <u>except</u> the following prompts which need to be answered. Then exit the programming mode.

	PROMPTS	OPTIONS	DESCRIPTION
9	Device Mode (ECP)_	• ECP • 4204 Emu • Two 4204s	Press the [space] key to scroll through the modes of operation. Choose the default **ECP** mode and press [ENTER]. **NOTE:** For other modes and advanced features, see the *Installation and Setup* guide.
	NOTE: Account information is provided by the central station. Enter this information in prompts 12, 13 and 14.		
12	Primary City ID (??)_	[01-99]	Enter the 2-digit primary city ID, 01-99 (decimal).
13	Primary CS ID (??)_	[01-FE]	Enter the 2-digit primary central station ID number, 01-FE (HEX).
14	Primary Sub ID (????)_	[0001-9999]	Enter the 4-digit subscriber account number, 0001-9999 (decimal).

4. The interactive registration feature allows the installer to register the communicator through a series of keyboard commands on the 7720P Programming Tool. This method of registration lets the installer monitor the registration process.

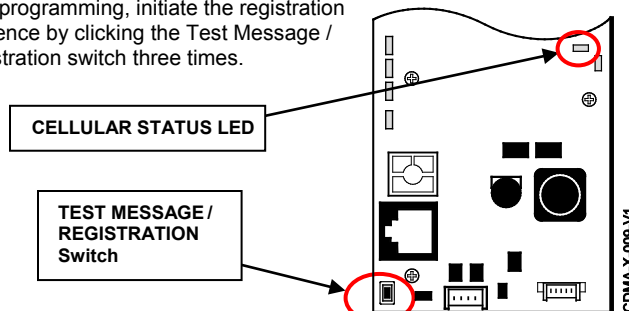| Registering …	Once the programming is complete, press the [Shift] plus the up arrow [↑] key on the 7720P. The registration message is sent and the unit waits for the acknowledgment.
Registration SUCCESS	If this is a new installation and the city, central station, and customer numbers have been correctly entered, the CDMA-X is registered and this message is displayed. The communicator is now in full service and available for alarm reporting to the central station.

Using the Test Message / Registration switch to register:

After programming, initiate the registration sequence by clicking the Test Message / Registration switch three times.

CELLULAR STATUS LED

TEST MESSAGE / REGISTRATION Switch

CDMA-X-008-V1

Using the Phone to program and register:

You can program and register the communicator by calling the AlarmNet Support at 1-800-222-6525 (Option 1). (Monday–Friday 8:00 am to 9:00 pm, Saturday 9:00 am to 5:30 pm ET) You will need the following information:

- MAC ID and CRC (located on the box and inside the communicator).
- Subscriber information (provided by the central station), including a city code, CSID, and subscriber ID.
- When Instructed to do so, triple click the TEST MESSAGE / REGISTRATION switch.

Cellular Status LED information:

Voice Session – Short blink every second
Data Session – Short blink every 2 seconds
Connected to Cell network – Short blink every 4 seconds
Deactivated communicator – Long blink every second

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