

## 263C CDMA Cellular Communicator

### Description

The 263C CDMA Cellular Communicator provides a fully supervised alarm communication path over the CDMA network. The 263C is installed in the panel enclosure and powered by the panel so no additional enclosure, power supply, or battery back-up is needed.

### Compatibility

Control panel firmware should be updated to the following when a 263C is installed:

- XT30/XT50 Series panels Version 123 (6/10/15) or higher
- XR150/XR550 Series panels Version 109 (8/18/15) or higher

### Included Components

- One Model 263C
- One Model 383 Rubber Duck Antenna
- One PCB standoff
- One 381-2 18" Coax Cable (263C/381-2 only)

### Installation Safety



**Ground yourself before handling the panel!** To discharge static, touch any grounded metal, such as the enclosure, before touching the panel.

**Remove all power from the panel!** Remove all AC and battery power from the panel before installing or connecting any modules, cards, or wires to the panel.

### Installing the 263C

#### For XT30/XT50 Series:

1. Insert the PCB standoff end with flanges into the standoff hole in the panel PCB.
2. Hold the 263C at an angle and align the SMA antenna connector with the antenna hole in the top of the panel enclosure.
3. Align the PCB standoff with the standoff hole in the 263C.
4. Line up the 263C card 12 pin connector onto the Cell Module connector on the panel.

**Caution:** Make sure the 263C card 12 pin connector is lined up to avoid damaging the panel. See Figure 2 callout.

5. Apply even pressure to both sides of the board and push until the connector is fully seated on the module. See Figure 1.

#### For XR150/XR550 Series:

1. Insert the PCB standoff end with flanges into the standoff hole in the panel PCB.
2. Align the PCB standoff with the standoff hole in the 263C.
3. Line up the 263C card 12 pin connector onto the Cell Module connector on the panel.

**Caution:** Make sure the 263C card 12 pin connector is lined up to avoid damaging the panel. There should be a space between the top of the connector and the Ethernet port. See Figure 2.

4. Apply even pressure to both sides of the board and push until the connector is fully seated on the module. See Figure 2.

**Note:** If needed, the PCB can be removed from the enclosure to allow placement of the cell module.

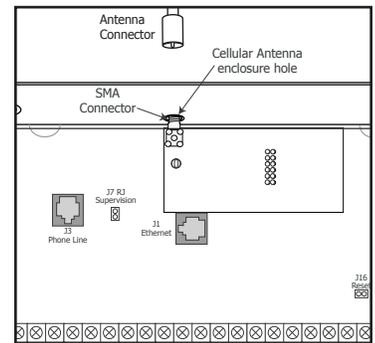
### Connecting the Antenna

#### For XT30/XT50 Series:

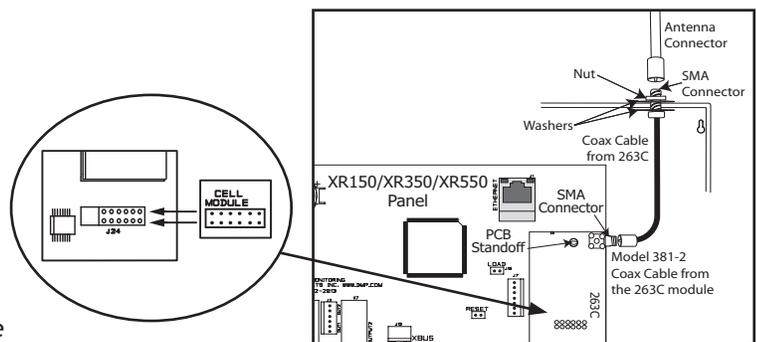
Attach the included antenna to the SMA connector. Refer to Figure 1.

#### For XR150/XR550 Series:

1. Attach the 381-2 cable to the SMA connector.
2. Position one of the washers onto the 381-2 SMA connector and push the threaded end through an enclosure knockout. See Figure 2.



**Figure 1: 263C Installation (XT30/XT50)**



**Figure 2: 263C Installation (XR150/XR550)**



3. Position the second washer onto the threaded end extending through the knockout and secure the nut.
4. Attach the included 383 Antenna to the SMA connector.
5. Attach the opposite end of the 381-2 Coax to the SMA connector on the 263C. See Figure 2.

**Note:** As an alternative, an antenna coax can be connected directly to the 263C SMA connector when the coax enters the enclosure via conduit.

## Activating the 263C

### Automatic Cellular Activation

Automatic Cellular Activation is available for the 263C CDMA Cellular Communicator on XR150/XR550 Series (Version 109 or higher) and XT30/XT50 Series (Version 122 or higher) control panels. If the 263C Cellular Communicator has not been previously activated, Automatic Cellular Activation occurs when the panel powers up or is reset. ACTIVATE CELL is only necessary when Automatic Cellular Activation is not successful and communication was not established. To perform the cellular activation process from a keypad, the panel must be in contact with a Verizon owned tower.

### Remote Link Activation

Cellular Service is required before using the 263C for signal transmission. The 263C comes ready for activation with SecureCom Wireless, LLC.

1. In Remote Link panel communication programming, select Cellular Network as the Communication Type and select the Activate button. See Figure 3.
  - a. In the Activate SIM/MEID window, enter the MEID number, found on the 263C label.
  - b. Select the rate plan for the 263C. See Figure 4.
  - c. Select the Activate button at the bottom of the window.
2. After the 263C is installed at the site, use a keypad and enter the panel's Diagnostics menu (2313).
  - a. Select ACTIVATE CELL by pressing a top row Select Key.
  - b. Press the button beneath YES on the next screen to activate the device.

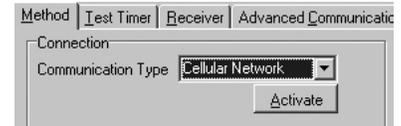


Figure 3: Remote Link Activation

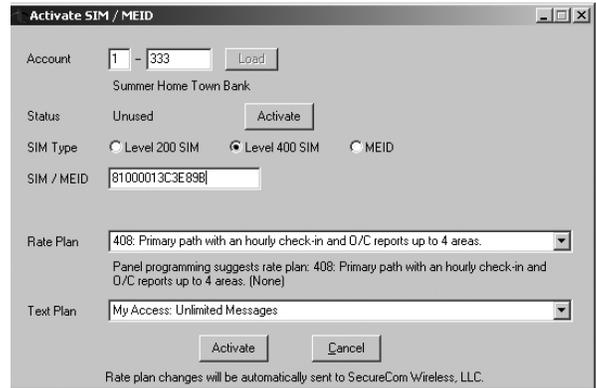


Figure 4: Remote Link Activation

**Note:** The ACTIVATE CELL prompt will only display if a CDMA modem is installed. To perform the cellular activation process from a keypad, the panel must be in contact with a Verizon owned tower.

## Performing Diagnostics

The panels provide a Diagnostics function to test the Communication integrity and Cellular Signal strength of the 263C. To use Diagnostics, reset the panel, enter the Diagnostics code 2313 (DIAG), and press COMMAND.

### Communication Status

Select COMM STATUS from the Diagnostics menu. The panel tests the 263C for the following items:

- 263C Installed
- Cellular Tower Detected
- 263C Registered
- Communication Path Integrity
- 263C Operating
- Connect Success
- 263C Identified

### Cellular Signal

Select CELL SIGNAL from the Diagnostics menu. The panel tests and indicates the strength of the signal using a bar display. One bar indicates a weak signal and seven bars indicate a strong signal. The signal strength is displayed as a -dBm value.

**Note:** XT Series panels display ROAM in addition to the signal strength if the communicator is not in contact with a Verizon owned tower.

## FCC Information

This device complies with Part 15 of the FCC Rules. Affix the included FCC label to the exterior of the panel enclosure in plain sight. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications made by the user and not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** 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 harmful 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 equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Specifications**

Primary Power 12VDC from panel  
 Current Draw  
 Standby 14mA  
 Alarm 14mA (46mA peak transmitting)

**Compatibility**

XT30/XT50 Series panels  
 Version 123 (6/10/15) or higher  
 XR150/XR550 Series panels  
 Version 109 (8/18/15) or higher

**Accessories**

381-2 18" Coax Cable  
 381-12 12' Coax Extension  
 381-25 25' Coax Extension  
 383 Rubber Duck Antenna  
 (included)  
 386 Outdoor Antenna Mounting  
 Bracket

**Ordering Information**

263C Cellular Communicator  
 263C/381-2 Cellular Communicator with  
 18" Coax Cable

**Certifications**

California State Fire Marshall (CSFM)  
 New York City (FDNY COA #6167)  
 Telit  
 Cellular FCC Part 15: R17CE910-Dual  
 Cellular Industry Canada: 5131A-CE910DUAL  
 ANSI/UL 294 Access Control System Units  
 ANSI/UL 636 Holdup Alarm Units and System Accessory  
 ANSI/UL 1023 Household Burglar  
 ANSI/UL 1076 Proprietary Burglar  
 ANSI/UL 1610 Central Station Burglar  
 ANSI/UL 1635 Digital Burglar  
 ANSI/UL 985 Household Fire Warning  
 ANSI/UL 864 Fire Protective Signaling 9th Edition.  
 ANSI/UL 365 Police Sta. Connected Burg Alarm  
 Units & Systems  
 ANSI/UL 609 Local Burg Alarm Units & Systems



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