JAMALERT CELLULAR DETECTION MODULE
Installation Guide
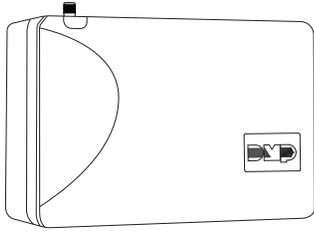

Figure 1: Jam Alert Cellular Detection Module

INSTALLATION

1 Select a Location

Install the module away from metal objects and at least 4 to 5 ft. away from any high RF-emitting devices, including high-powered wireless receivers, Wi-Fi routers, and cellular signal boosters, to ensure proper frequency detection. Do not mount the module inside or on a control panel metal enclosure. Mounting the module on or near metal surfaces impairs cellular jamming detection performance.

Follow the guidelines below to choose the best installation for the JamAlert:

Standard Coverage: Install the module at least 15 ft away from the panel or cellular communicator.

Enhanced Coverage: Install the module by likely entry points, such as the front door, back door, or glass doors. Avoid placing the module next to concrete walls. For high-security installations, create a perimeter by spacing each JamAlert approximately 30 ft apart.
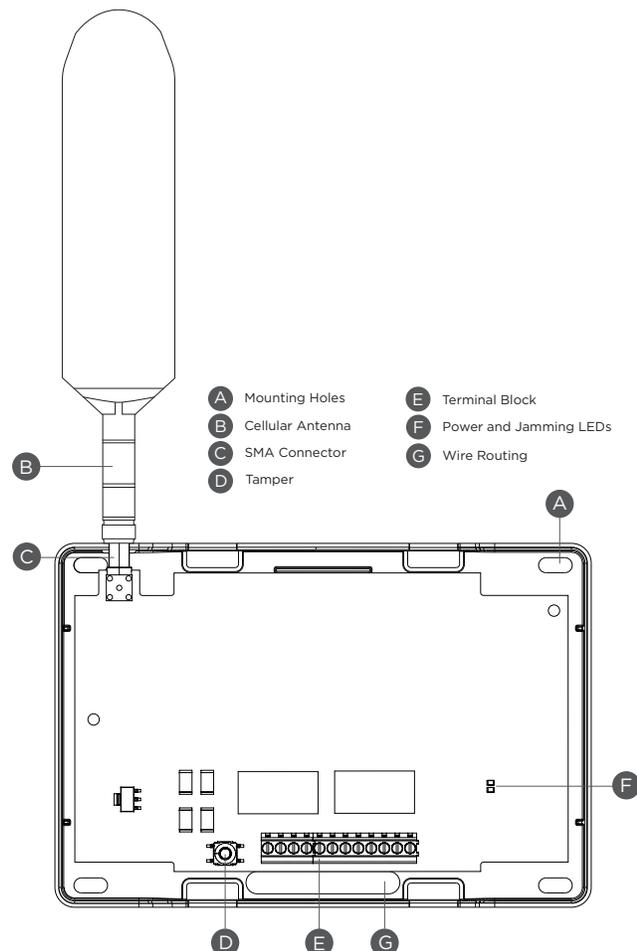

A	Mounting Holes	E	Terminal Block
B	Cellular Antenna	F	Power and Jamming LEDs
C	SMA Connector	G	Wire Routing
D	Tamper		

Figure 2: System Components

2 Mount the Module

The module should be mounted to a wall using the included #6 screws in the mounting holes. See Figure 2. Mount the module in a secure, dry place to protect the module from damage due to tampering or the elements. It is not necessary to remove the PCB when installing the module.

3 Wire the Module

⚡ **Caution:** Disconnect all power from the panel before wiring the module. Failure to do so may result in equipment damage or injury. Observe polarity when making power connections.

Use 18 to 22 gauge wire when wiring the module. When routing wires, ensure they do not interfere with the tamper switch. Refer to *Figure 3* and *Figure 4*.

1. Use a wire to connect the module's +12V (positive) terminal to terminal 7 on the DMP panel. Use another wire to connect the module's -12V (negative) terminal to terminal 10 on the DMP panel.

📝 **Note**: If you are connecting to a non-DMP panel, confirm the proper terminals for the positive and negative 12V.

2. On the cell jamming detection output, use a wire to connect the NO terminal to any zone on the panel. Use another wire to connect the C terminal to the panel ground.

📝 **Note**: If you are connecting to a DMP panel, use a 1k Ohm EOL resistor across the NO and C terminals. If connecting to a non-DMP panel, use the correct resistance value for that panel.

3. On the tamper output, use a wire to connect the C terminal to any zone on the panel. Use another wire to connect the NC terminal to the panel ground. Use a 1k Ohm EOL resistor on the wire connected to the NC terminal.
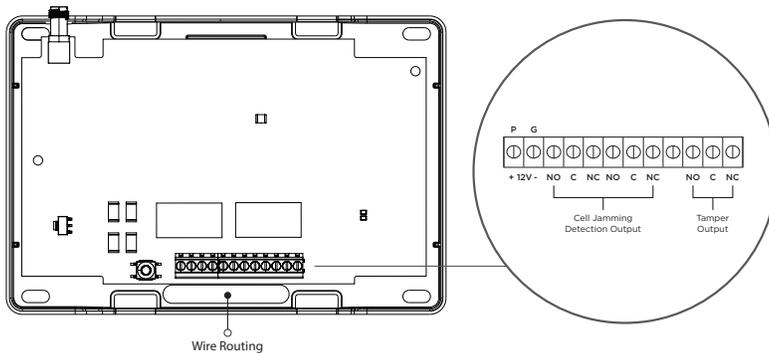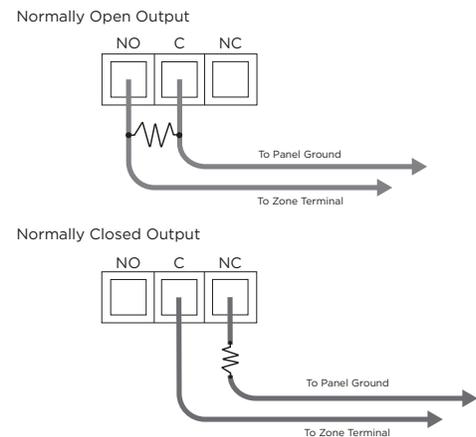
Figure 3: Terminal Block

Figure 4: Terminal Wiring

4 Connect the Antenna

1. Place the antenna onto the SMA connector. Refer to *Figure 2.*
2. Twist the antenna clockwise until it is securely tightened.
3. Carefully place the housing cover back on the mounted base. Ensure not to damage any PCB components when removing or replacing the housing cover.

PROGRAM THE PANEL

Refer to the compatible panel programming guide for full programming information.

At the Keypad

After completing each step, press **CMD** to advance to the next prompt. To program the JamAlert to a DMP panel for jamming detection and tamper detection at the keypad, complete the following steps:

1. Reset the panel. At a keypad, enter **6653** (PROG) to access the **PROGRAMMER** menu.
2. At **ZONE INFORMATION**, enter the zone number for the cell jamming detection output.
3. At ***UNUSED***, enter a name for the zone.
4. Select a **ZONE TYPE** for the cell jamming detection output.
5. At **NEXT ZONE**, select **YES**.
6. Enter the zone number for the tamper output.
7. At ***UNUSED***, enter a name for the zone.
8. Select a **ZONE TYPE** for the tamper output.
9. Press **CMD** until **STOP** displays. Press a top row select key or area to save programming.

Dealer Admin

To program the JamAlert to a DMP panel for jamming detection and tamper detection on Dealer Admin, complete the following steps:

1. Log in to Dealer Admin (dealer.securecomwireless.com).
2. Select **Customers**, then select the **System Name** you want to program the JamAlert zones for.
3. Select **Programming**, then select **Zone Information**.
4. Select **+ Add Zone**. The **Zone Number** automatically populates. Update the zone number if needed.
5. Enter a **Zone Name** and select a **Zone Type** in the drop-down menu for the cell jamming detection output.
6. Configure additional options as needed.
7. Select **+ Add Zone** to create another zone. The **Zone Number** automatically populates. Update the zone number if needed.
8. Enter a **Zone Name** and **Zone Type** for the tamper output.
9. Configure additional options as needed.
10. At the top of the screen, select **Send All Changes**.

ADDITIONAL INFORMATION

Tamper

The JamAlert module includes a wall and case tamper. The case tamper is pressed when the cover of the module is secured onto the enclosure. The wall tamper is pressed when the back of the cover is mounted onto a wall. When the cover is removed or the module is removed from the wall, the module sends a tamper trouble message to the monitoring center.

Module Operation

When cell frequency jamming is detected, the onboard output is activated and sends an alarm to the panel. In addition, if cell jamming is detected, the LED lights red. If power is on, the LED lights green.

Testing Mode

JamAlert uses a local testing operation to ensure the module is properly detecting frequencies. To enter testing mode, complete the following steps:

1. Ensure the JamAlert is in its housing and the back case tamper is satisfied (pressed).
2. Disconnect the antenna, then ensure the JamAlert is powered on. Refer to *Wire the Module* for more information about powering the JamAlert.
3. Press the tamper button at least 4 times in a row quickly to enter testing mode.
4. Connect the antenna to automatically trigger the detection mode. When the device detects a frequency, the LED lights solid red.
5. To exit testing mode, power cycle the device or press and hold the tamper button for more than 5 seconds. The LED flashes green 3 times to confirm you have exited testing mode.

Compatibility

- XTL Series Control Panels
- XT Series Control Panels
- XF6 Series Control Panels
- XR Series Control Panels
- TMSentry Control Panels
- Com Series Communicators

Ordering Information

JAMALERT   Cellular Jamming Detection Module

Specifications

Primary Power	12 VDC from panel
Current Draw	
Standby (Tamper On)	131 mA
Alarm (Jammed, Tamper On)	206 mA