RF 2-Way Siren/Relay

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Installation Instructions

Product Summary

The RF 2-Way Siren is a supervised device that transmits supervisory signals for the panel to receive. When the battery is low, the module transmits a low battery signal.

> **Note**
> The RF 2-Way Siren does not have a backup power supply. Therefore, the battery must be replaced immediately when a low battery condition occurs. If the battery is allowed to completely drain, the panel identifies the RF 2-Way Siren as being in a supervisory (non-working) state, which prevents system events from being reported.

Installation Guidelines

Use the following guidelines when installing the RF 2-Way Siren:

↕ Before permanently mounting to a wall, test the RF 2-Way Siren from the desired location to ensure communication to and from the panel. This means you must first add (learn) the RF 2-Way Siren into panel memory. Then perform a sensor test.

↕ Mount the module within 100 feet of the panel, but not closer than 10 feet to another RF 2-Way Siren or the panel.

↕ Always mount the RF 2-Way Siren in the upright vertical position.

Tools and Supplies

↕ Phillips screwdriver

↕ Two #6 phillips-head screws (included)

↕ Two wall anchors (included)

↕ Pencil

Installation

This section describes programming, testing, mounting, and phone line connections.

Programming

This section describes the steps for adding (learning) the RF 2-Way Siren into panel memory.

1. With the system disarmed, enter program mode by pressing   +   .

2. Press ▼ twice and   twice. The display shows ZONE 01 - TRIP.

3. Press **Test** button. The siren will beep three times, indicating it is learned into the panel.

4. Exit Program mode.

Testing

This section describes the basic steps for testing transmitting reange from the RF 2-Way Siren to the panel. For complete testing instructions, see the panel installation instructions.

> **Note**
> Be sure to attach the cover to the RF 2-Way Siren before testing communications.

1. Straighten the antenna to a vertical position.

2. Place the RF 2-Way Siren in the desired location.

3. Enter sensor test mode on the panel

4. Press **Test** button on siren.

5. Listen for the panel piezo to sound 7 - 8 beeps. This indicates good reception from the siren to the panel.

6. If you hear fewer than 7 beeps, test the siren in different locations. Mounting locations should be limited to areas where the panel responds with 7 - 8 beeps.

7. To re-test transmitting range after relocating the siren, press the Test button again and listen for 7 - 8 beeps.

8. Exit from the test mode after determining acceptable locations.

Mounting and Antenna Positioning

After finding an acceptable mounting location (based on testing), mount the RF 2-Way Siren and position the antenna as described below. The antenna can be inserted into a wall or positioned upright inside the antenna housing.

> **Note**
> For best range, it is recommended that the antenna be inserted into the wall.

Mounting with Antenna in Wall

WARNING: You must be free of all static electricity when handling electronic components. Touch a bare metal surface or wear a grounding strap before touching the circuit.

1. Remove the circuit board from the plastic housing by pushing up on the tab and pulling the board outward (see Figure x). Place the board in the cover.

2. Mark the mounting holes and the antenna insertion hole (see Figure x).

3. Make a hole in the wall at the antenna insertion hole and mounting hole marks.

4. Insert wall anchors where necessary, then use two #6 screws to secure the plastic housing to the wall.

5. Insert the antenna into the antenna insertion hole and re-install the board onto the plastic base. Insert the bottom first, then push in at the top until it snaps in under the tab.

6. Install the protective dust cap (included in accessory packet) in the hole located on the top-right of the RF 2-Way Siren's plastic housing.

Mounting with Antenna Housing

1. Hold the RF 2-Way Siren against the wall and mark the mounting holes (see Figure x). Be sure to leave at least 4 inches above the siren for the antenna housing.

2. Make a hole in the wall at the mounting hole marks.

3. Slide the antenna housing over the antenna and snap the housing into the upper-right hole (see Figure x).

4. Insert wall anchors where necessary, then use two #6 screws to secure the siren module to the wall through the mounting holes.

5. Re-install the board onto the plastic base. Insert the bottom first, then push in at the top until it snaps in under the tab.

Troubleshooting

No System Response

If the system does not respond in sensor test (as described in the panel installation instructions), try the following:

↕ Change the antenna position. Best range is achieved by inserting the antenna into the wall.

↕ Check that the RF 2-Way Siren batteries is installed.

↕ Check the RF 2-Way Siren batteries for low voltage. replace the batteries if necessary.

↕ Use an RF Sniffer (60-401) to verify that the RF 2-Way Siren is transmitting.

↕ Verify that the RF 2-Way Siren was added (learned) into panel memory correctly.

Trouble Condition

↕ The tamper switch may have been tripped. Check that the cover is securely in place.

↕ The RF 2-Way Siren batteries may be low. Check the batteries and replace if necessary.

Module Supervisory

↕ If the panel indicates a RF 2-Way Siren supervisory condition, use an RF Sniffer (60-401) to verify that the siren transmits when the tamper switch is pressed. If it does not transmit, check the batteries and replace them if necessary.

↕ If the sniffer indicates that the RF 2-Way Siren is transmitting, it may be out of panel receiving range. Use the sensor test to verify that the siren is within panel range.

If necessary, test the siren from other locations until an acceptable location is found.

Specifications

Compatibility: .... Allegro™, Simon 3

Power Requirements: 3 AAA Alkaline batteries

Storage Temperature: -30° to 140°F (-34° to 60°C)

Operating Temperature: 32° to 120°F (0° to 49° C)

Maximum Humidity: . 90% relative humidity, noncondensing

Dimensions: .... 4.6" (11.7 cm) x 1.2" (3 cm) x 6.6" (16.8 cm) (W x D x H). Plus 3.5" (8.9 cm) for antenna housing.

Installation: .... Wall mounting

UL Listings:

UL 864 - Control Units for Fire-Protective Signaling

UL 985 - Household Fire Warning System Units (pending)

ULC - Canada Commercial Fire/Burglary Warning System (pending)

CSFM - California State Fire Marshall (pending)

DOD - Sensitive Compartment Information Fac. (pending)

FM - Factory Mutual (pending)

MEA - New York City Material Equipment Acceptance (pending)

Compiles with NFPA 72 for Fire Alarm Code

FCC Notice

This device complies with FCC Rules Parts 15 & 68. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Interlogix, Inc. can void the user's authority to operate the equipment.

FCC ID: B42-809B-SIREN

Notices