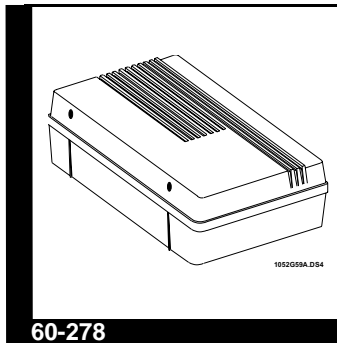


Hardwire Interior Siren and Piezo

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INSTALLATION INSTRUCTIONS

Product Summary

The Hardwire Interior Siren and Piezo produces low-volume status sounds and high-volume siren sounds.

Install these sirens in areas where the user can always hear what is happening on the premises. The unit includes dual piezos for fire and intrusion alarm sounds and a single piezo for alarm and status sounds.

Each unit draws 75mA of current in alarm and contains three piezo sirens that can deliver an 85 dB siren level in high-level alarm.

Installation Guidelines

- v The Hardwire Interior Siren and Piezo can be mounted in any location. Locate the siren inside the premises where system status and alarm sounds need to be heard.
- v The number of sirens that can be installed depends on what other devices are being powered from the panel. The total current available from CareTaker *Plus* and Custom Versions, SX-V, and SX-V *Special* panels is 500 mA. Total current available for UltraGard and Custom Version panels is 750 mA. Total current available from the RF Commander is 150 mA.
- v For UltraGard systems where the piezo is wired to the interior siren terminals, wire multiple piezo locations in parallel (daisy chain). At each piezo, install a diode to eliminate possible intermittent noise.

- v Use 4-conductor, 22-gauge stranded wire.
- v Do not exceed the panel's total power rating when using panel power for sirens, bus devices, and hardwire sensors (see the specific panel's *Installation Instructions*).

Tools Needed

- v Phillips screwdriver
- v Screws and anchors (included)
- v Drill

Installation

1. Turn the panel power switch off.
2. Run cable from the panel to the siren location. Use 22 gauge or greater, 4-conductor stranded wire.
3. Remove the siren's front cover by taking out the two bottom screws.
4. Remove the four screws that secure the piezo assembly and pull the piezo assembly off the base.
5. Feed the cable through the circular cut-out in the back of the base.
6. Mount the base to the wall with the proper anchors and screws.
7. Re-secure the piezo assembly to the base.

SX-V and SX-V *Special* Wiring

1. Connect the dual piezo wires to the two left screws and the single piezo wires to the two right screws (see Figure 1).

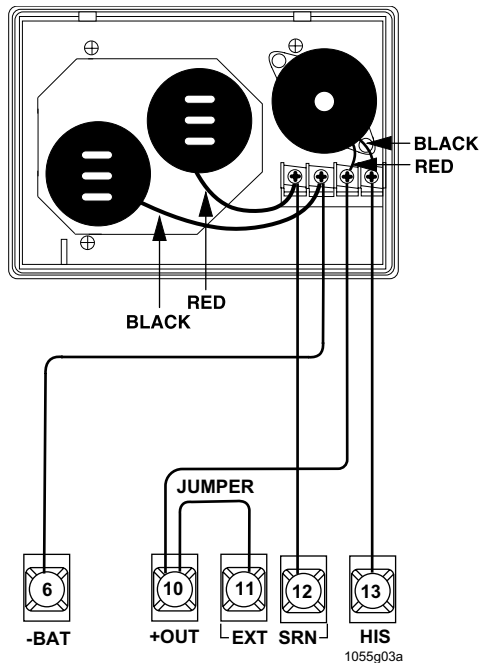


Figure 1. Wiring from the Siren to the SX-V

2. Make wiring connections between the siren and the panel as shown in Figure 1.
3. Install a jumper between panel terminals 10 and 11. The dual piezos will not activate if this jumper is not in place.

Note: The dual piezos are activated for fire and burglary alarms only. The single piezo activates for both status and alarm sounds.

CareTaker *Plus* and Custom Versions Wiring

1. Connect the dual piezo wires to the two left screws and the single piezo wires to the two right screws (see Figure 2).
2. Make wiring connections between the siren and the panel as shown in Figure 2.

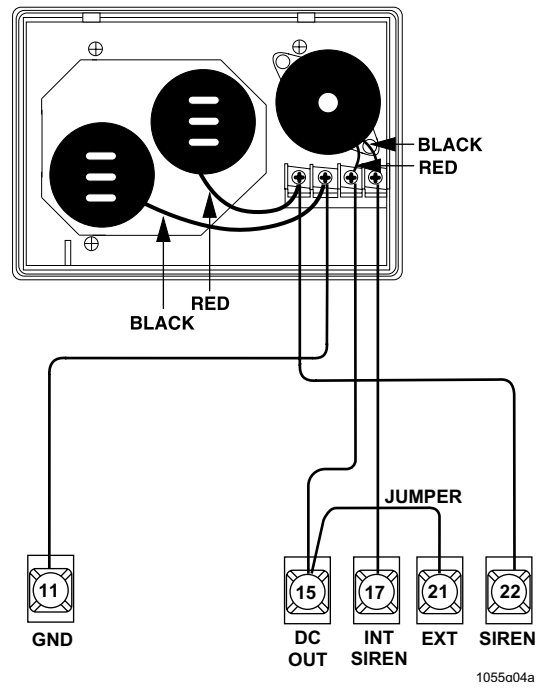


Figure 2. Wiring from the Siren to CareTaker *Plus* and Custom Versions

UltraGard and Custom Versions Wiring

Siren wiring to the UltraGard panel family can be supervised or unsupervised.

Supervised Siren Wiring

1. Connect the dual piezo wires to the two left screws and the single piezo wires to the two right screws (see Figure 3).
2. Make wiring connections between the siren and the panel as shown in Figure 3.

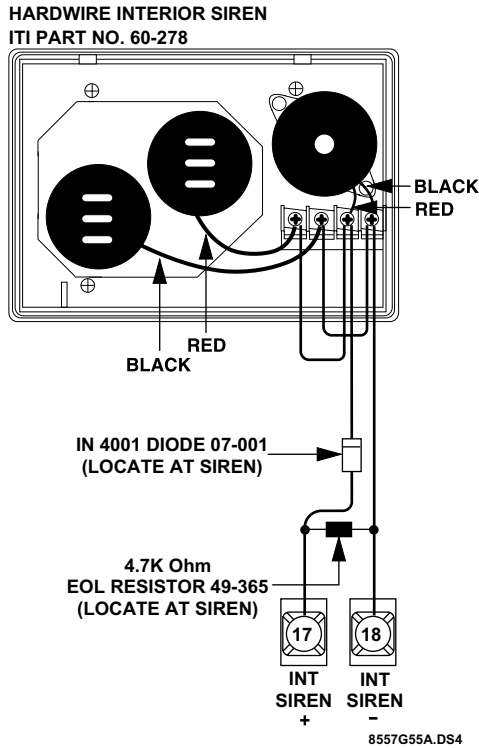


Figure 3. Supervised Siren Wiring to UltraGard and Custom Versions

Note: Install a diode at each piezo location as shown in the figure and connect a *single* EOL resistor at the last piezo in the circuit.

Supervised wiring (as shown) produces alarm and status sounds at maximum volume. To leave alarm sounds at maximum volume and turn off siren status sounds, turn on feature F11 (Interior Status Sounds Disable). F11 defaults off.

Unsupervised Wiring

1. Connect the dual piezo wires to the two left screws and the single piezo wires to the two right screws.
2. Make wiring connections between the siren and the panel as shown in Figure 4.

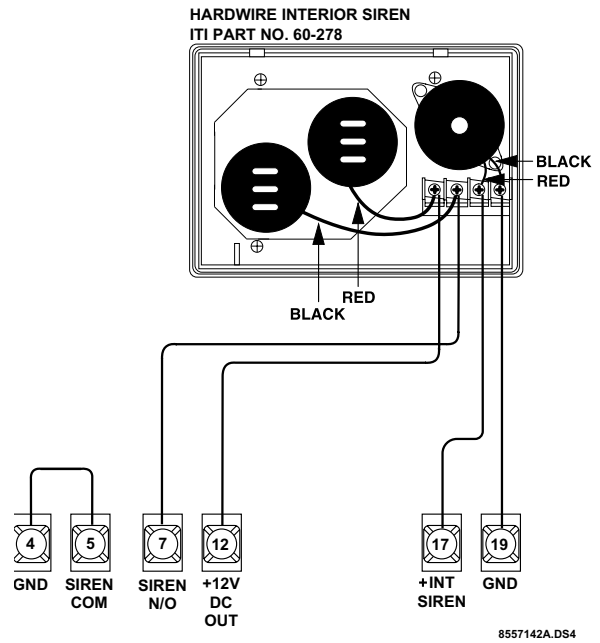


Figure 4. Unsupervised Siren Wiring to UltraGard and Custom Versions

RF Commander Wiring

1. Connect the dual piezo wires to the two left screws and the single piezo wires to the two right screws.
2. Make wiring connections between the siren and the panel as shown in Figure 5.

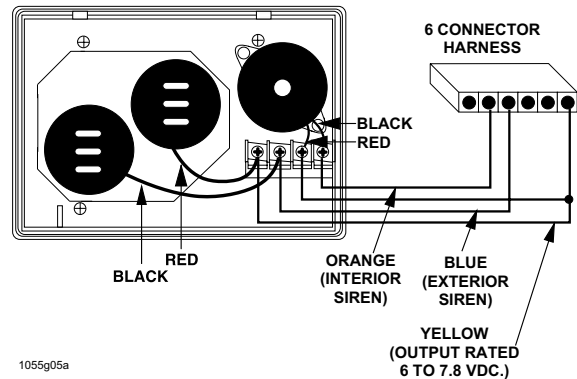


Figure 5. Wiring from the Siren to the Panel Connector Harness

Testing

This section describes the basic steps for testing siren operation. For complete testing information, refer to the specific panel's *installation instructions*.

To test siren operation:

1. Contact the central monitoring station and inform them that you will be testing the system and they are not to dispatch any authorities.
2. Arm the system and listen for status beeps, indicating successful arming.
3. Trip an instant perimeter sensor. The siren should emit a loud, slow on-off-on-off sound.
4. Disarm the system.
5. Activate a fire alarm by pressing and holding the test button on a smoke sensor, or press and hold the fire panic button on the panel or touchpad. The siren should emit a loud, steady sound.
6. Disarm the system.
7. Activate an auxiliary alarm by pressing and holding the auxiliary panic button on the panel or touchpad. The siren should emit a fast on-off-on-off sound.
8. Disarm the system.
9. Contact the central monitoring station and inform them that you are done testing the system.

Specifications

Compatibility: SX-V, RF Commander, SX-V *Special*, CareTaker *Plus* and Custom Versions, Commander 2000 and Custom Versions, UltraGard and Custom Versions

Power Requirements: 6- to 14-VDC; 75 mA maximum

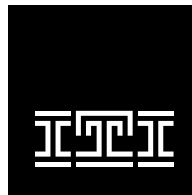
Dimensions: 6.780" x 4.780" x 2.40" (L x W x D)

Notices

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

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

Changes or modifications not expressly approved by Interactive Technologies, Inc. can void the users' authority to operate the equipment.



WIRELESS

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Automation
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