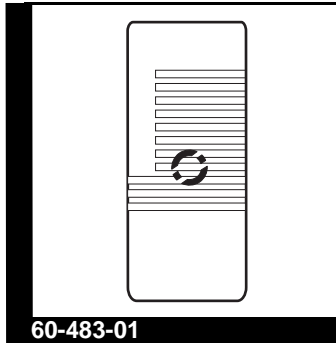# Slim Line Hardwire Interior Siren

Document Number: 46-704 Rev. E
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60-483-01

INSTALLATION INSTRUCTIONS

Product Summary

The siren produces both alarm and status sounds. A potentiometer (pot) inside the siren lets you adjust the status sound volume. Alarm sounds are always full volume.

The siren is typically mounted in a remote location in compatible ITI security systems, or it can be attached to Commander® 2000 and Custom Version control panels, using the included bayonet.

Tools Needed

ν   Phillips screwdriver
ν   Screws and anchors (included)
ν   Needle-nose pliers
ν   4-conductor, 22-gauge or greater, stranded wire

Installation Guidelines

Use the following guidelines when installing the siren:

ν   Mount the siren where alarm and status sounds can be heard easily. Ideal locations include hallways common to offices or bedrooms.
ν   When installing two or more sirens, make connections in parallel with correct polarity to maintain correct operation.

Mounting the Siren

This section describes how to mount the siren away from the Panel and how to mount it when attaching it to the Commander 2000 Panel.

Mounting Siren in a Remote Location

1)   Disassemble the siren by pressing the tab on the bottom of the siren to separate the front cover from the back (see Figure 1). Set the front cover aside.
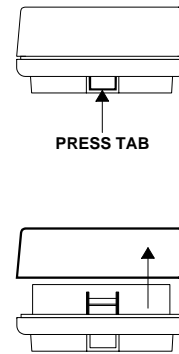
PRESS TAB

Figure 1. Disassembling the Siren

2)   Place the back of the siren against the wall in the desired location and mark the two mounting hole locations (see Figure 2).

STATUS VOLUME ADJUSTMENT POT

MOUNTING HOLES

1 HIGH   2 GND   3 LOW

TERMINAL STRIP

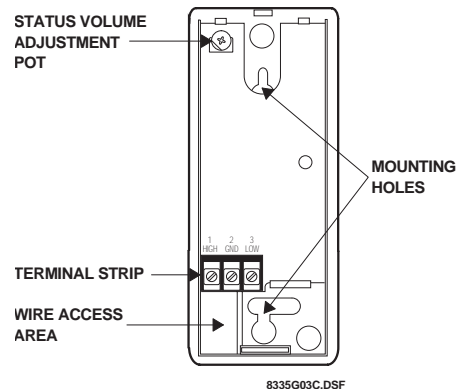**WIRE ACCESS AREA**

8335G03C.DSF

Figure 2. Mounting Hole Locations

3)   Install anchors where necessary and partially insert the top screw into the anchor or wall at the marked location.
4)   Hang the back of the siren on the top screw and tighten the screw.
5)   Insert the bottom screw and tighten it.

Attaching Siren to Commander 2000 Control Panel

1) Disassemble the siren by pressing the tab on the bottom of the siren to separate the front and back parts (see Figure 3). Set the front cover aside.
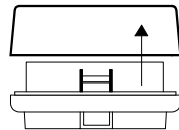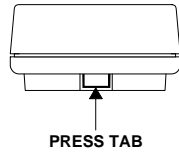
PRESS TAB

Figure 3. Disassembling the Siren

2) Looking at the back of the siren, use a needle-nose pliers to remove the plastic for wire entry (see Figure 4).

REMOVE PLASTIC HERE WHEN MOUNTING WITH BAYONET TO COMMANDER 2000
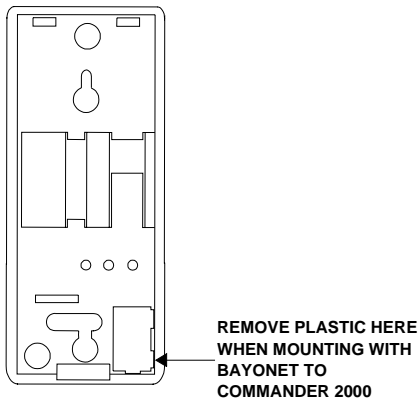
Figure 4. Removing Siren Plastic for Wire Entry

3) Using a needle-nose pliers, remove the plastic at the right-rear side of the Panel for wire entry (see Figure 5).

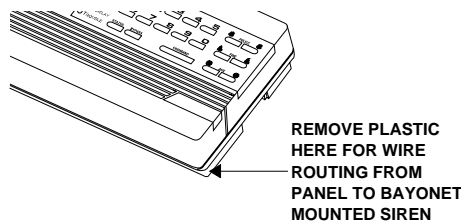**REMOVE PLASTIC HERE FOR WIRE ROUTING FROM PANEL TO BAYONET MOUNTED SIREN**

Figure 5. Removing Panel Plastic for Wire Entry

4) Insert the bayonet into the slot on the siren's left side until it locks into place (see Figure 6).
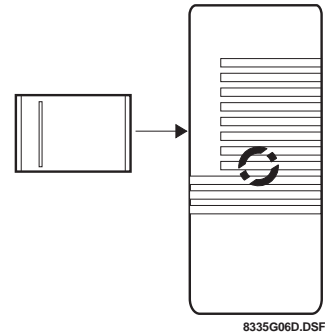
8335G06D.DSF

Figure 6. Inserting the Bayonet into the Siren

5) Attach the siren to the Panel by inserting the exposed part of the bayonet into the slot on the right side of the Panel (see Figure 7).
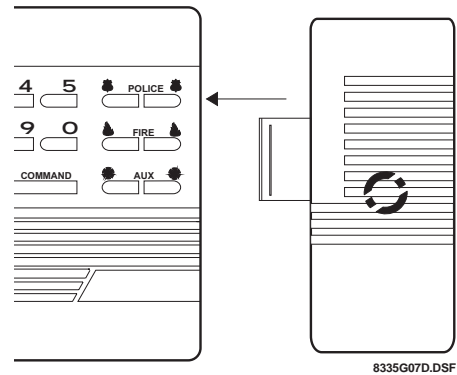
8335G07D.DSF

Figure 7. Attaching the Siren to the Panel

6) Mark the mounting hole location (see Figure 8).
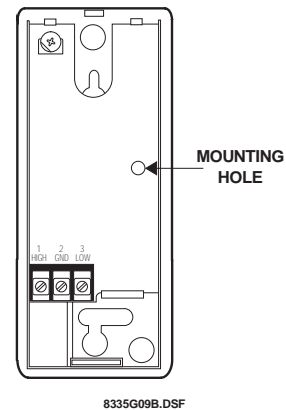
MOUNTING HOLE

8335G09B.DSF

Figure 8. Mounting Hole Location

7) Detach the siren from the Panel and install an anchor at the marked location.

8) Reattach the siren to the Panel and secure the siren by installing a screw in the anchor.

Wiring Connections

This section describes the wiring connections for Commander 2000, UltraGard, CareTaker *Plus*, and SX-V panels.

Commander 2000 and Custom Versions Wiring

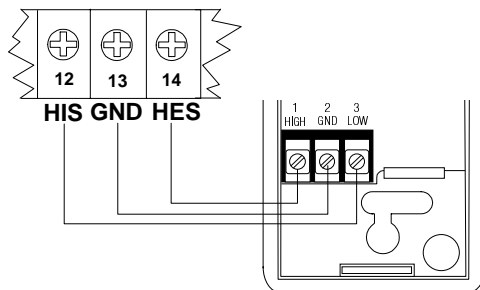Make the wiring connections to Commander 2000 and Custom Version panels as shown in Figure 9.

Figure 9. Wiring the Siren to Commander 2000 and Custom Version Panels

UltraGard and Custom Versions Wiring

Make wiring connections between the siren and UltraGard and Custom Version panels, as shown in Figure 10 (one siren, supervised) Figure 11 (two sirens, supervised) and Figure 12 (unsupervised).

Note: UltraGard panel terminals 17 and 18 supply a variable output, depending on the load presented by connected devices.

When one Slim Line Hardwire Interior Siren is connected, these terminals supply 85 mA at 12 VDC.

When two Slim Line Hardwire Interior Sirens are connected, these terminals supply 140 mA at 12 VDC.

WARNING: Do not connect more than two Slim Line Hardwire Interior Sirens to UltraGard and Custom Version panels.
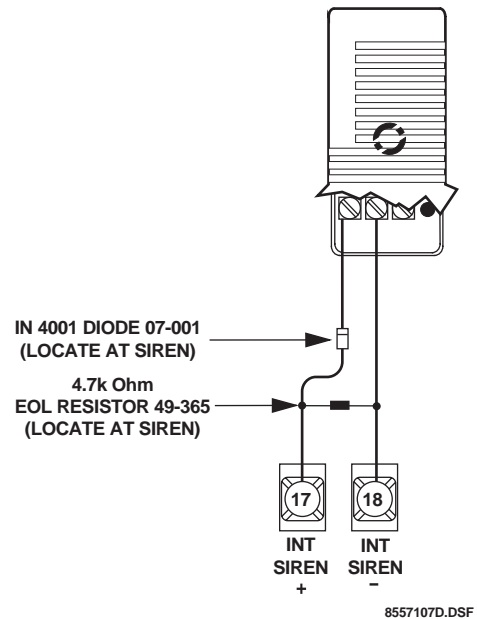

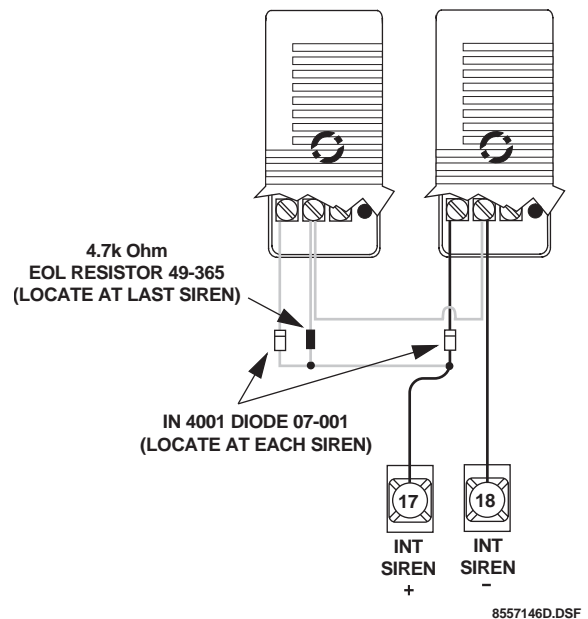**Figure 10. Wiring One Supervised Siren to UltraGard and Custom Versions**

Figure 11. Wiring Two Supervised Sirens to UltraGard and Custom Versions
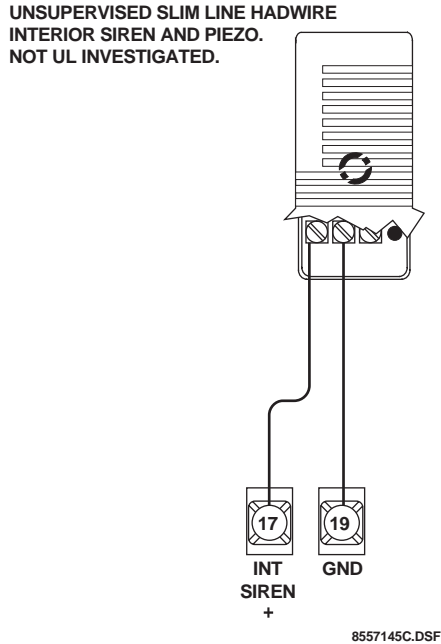
Figure 12. Wiring One Unsupervised Siren to UltraGard and Custom Versions

Simon™ Wiring

Make siren wiring connections to the Simon panel as shown in Figures 13 and 14.

Figure 13 shows how to wire the siren for maximum status sound volume and cannot be adjusted with the status volume pot inside the siren.

If this volume is too loud for your customer, Figure 14 shows how to wire the siren so that the status volume pot can be used to adjust the volume.

Note: Connect only 1 Slim Line Hardwire Interior Siren to a Simon panel.
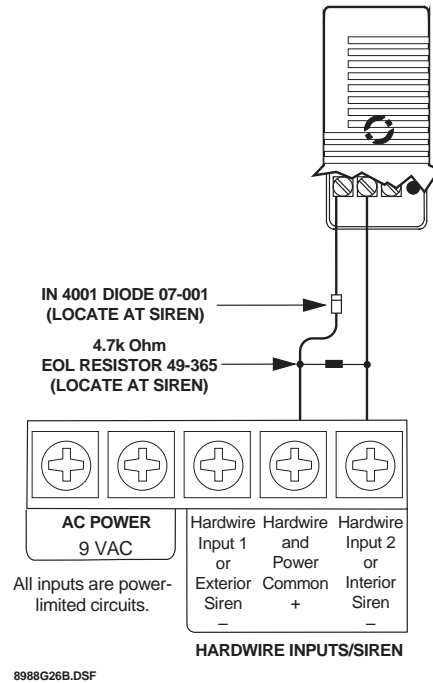

Figure 13. Wiring the Siren to Simon Panels for Maximum Volume *Without* Using Status Volume Pot
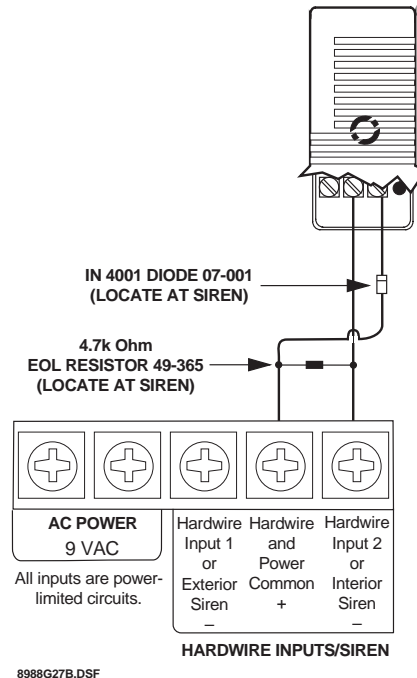

Figure 14. Wiring the Siren to Simon Panels for Adjustable Volume *With* Status Volume Pot

CareTaker *Plus* and Custom Versions Wiring

Note: The Slim Line Hardwire Interior Siren works only with CareTaker *Plus* and Custom Version panels with board revision J and later. Refer to Figure 15 to locate the board revision.
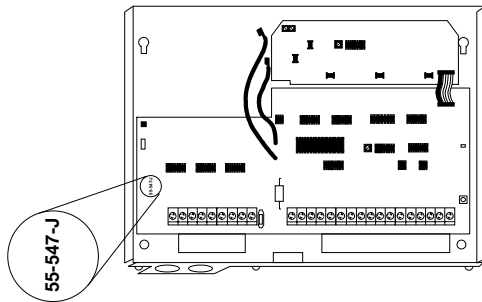

Figure 15. Board Revision Location

Make the wiring connections to the CareTaker *Plus* and Custom Version panels as shown in Figure 16.
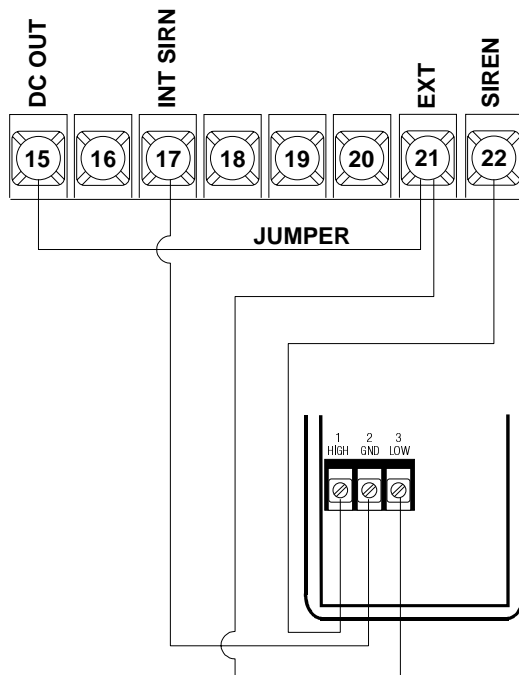
TERMINAL STRIP 2

Figure 16. Wiring the Siren to the CareTaker *Plus* and Custom Versions

SX-V and SX-V *Special* Wiring

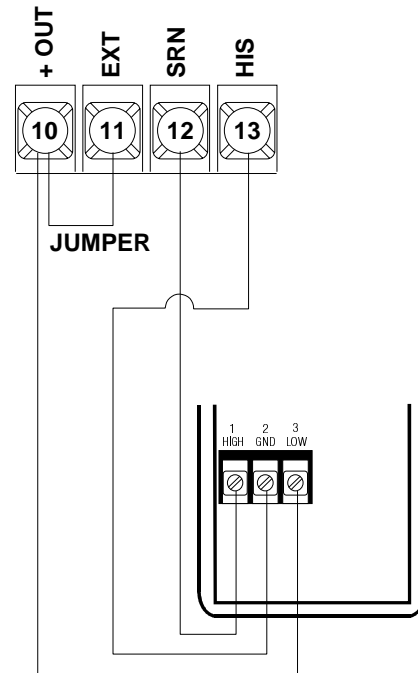Make siren wiring connections to the SX-V and SX-V *Special* panels as shown in Figure 17.

Figure 17. Wiring the Siren to SX-V and SX-V *Special* Panels

Testing the Siren

This section describes how to test the siren.
1) Contact the central station and inform them that you will be testing the system.
2) Test for alarm sounds by activating each type of alarm (fire, intrusion, and auxiliary).
3) Test for status sounds by pressing the STATUS button with the system in various states (armed to different levels or disarmed).

Adjusting Status Sound Volume

This section describes how to adjust the status sound volume.

1) Locate the status volume pot on the siren circuit board and adjust the status sound volume by turning the pot as indicated on the circuit board (see Figure 18).

Note: For UltraGard and Custom Version panels, volume adjustment not affect siren output.

WARNING: For SX-V, SX-V *Special*, and CareTaker *Plus* systems, do not set the status volume switches to the low setting.

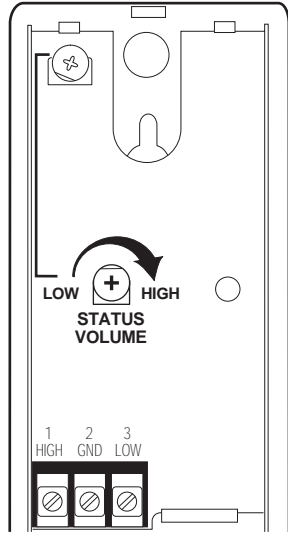2) Reassemble the siren and test the status sound volume by pressing the STATUS button.

Figure 18. Adjusting the Status Sound Volume

Repeat this procedure until the desired status sound volume is achieved.

Specifications

Compatibility: Commander 2000 and Custom Versions, CareTaker *Plus and* Custom Versions (board revision J and later), UltraGard and Custom Versions, Simon, SX-V, SX-V Special
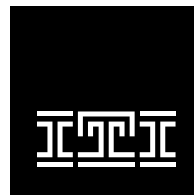
Current Draw (UltraGard and Custom Versions): 85 mA (one siren) and 140 mA (two sirens) @ 12 VDC

Current Draw (All other panels): 60 mA @ 6 VDC, 120 mA @ 12 VDC

Dimensions: 6.0" x 2.50" x 1.25" (L x W x D)

Notices