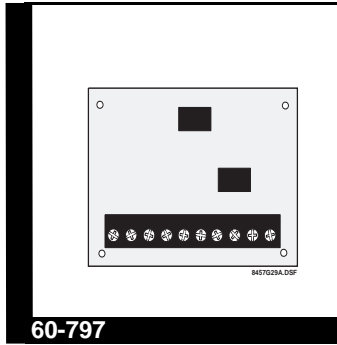


Regency[®] Supervised Siren Module

Document Number: 466-1584 Rev. A
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INSTALLATION INSTRUCTIONS

About this Document

This document describes how to install and test the ITI[®] Regency[®] Supervised Siren Module.

For additional siren programming and operating details, refer to the panel *Installation Instructions*.

Product Summary

The Supervised Siren Module expands the versatility of Regency[®] Model 4720(A) fire/security system panels by adding supervised burglary and “temporal three” (repeating three short beeps) fire cadence siren output capability.

The Module mounts inside the fire/security system enclosure and is powered by the panel. The Module converts the panel’s steady cadence, non-supervised siren output to a supervised “temporal three” fire cadence siren output.

Module Components

Figure 1 shows the Module’s main components and Table 1 describes these components.

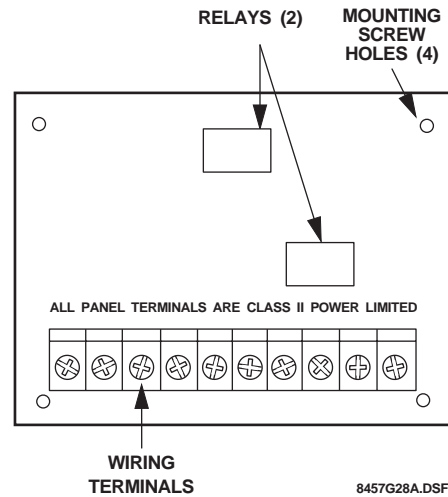


Figure 1. Module Components

Table 1. Module Component Descriptions

Component	Function
Mounting Screw Holes	Holes for wall or enclosure mounting.
Relays	Siren output and siren supervision output relays.
Wiring Terminal Strip	Used for panel, panel relay module, and siren connections.

Installation Guidelines

- Regency security systems support one Module per panel.
- Do not exceed the panel's voice siren output power (see specific panel's *Installation Instructions*).
- Maximum power draw of Module and connected siren is 1A at 12 VDC.

Tools and Supplies Needed

- Small and medium blade screwdrivers
- 3/8 -inch #6-32 self-tapping screws (included)
- 22-gauge (or larger) stranded hookup wire. Use larger gauge wire for long wire runs.

Installation

The Module is mounted on a wall or inside an enclosure.

CAUTION: To prevent damage to the panel or Module, remove panel AC power and disconnect backup battery before installation.



WARNING: You must be free of all static electricity when handling electronic components. Wear a grounding strap or touch a bare metal surface before handling circuit boards.

Mounting the Module

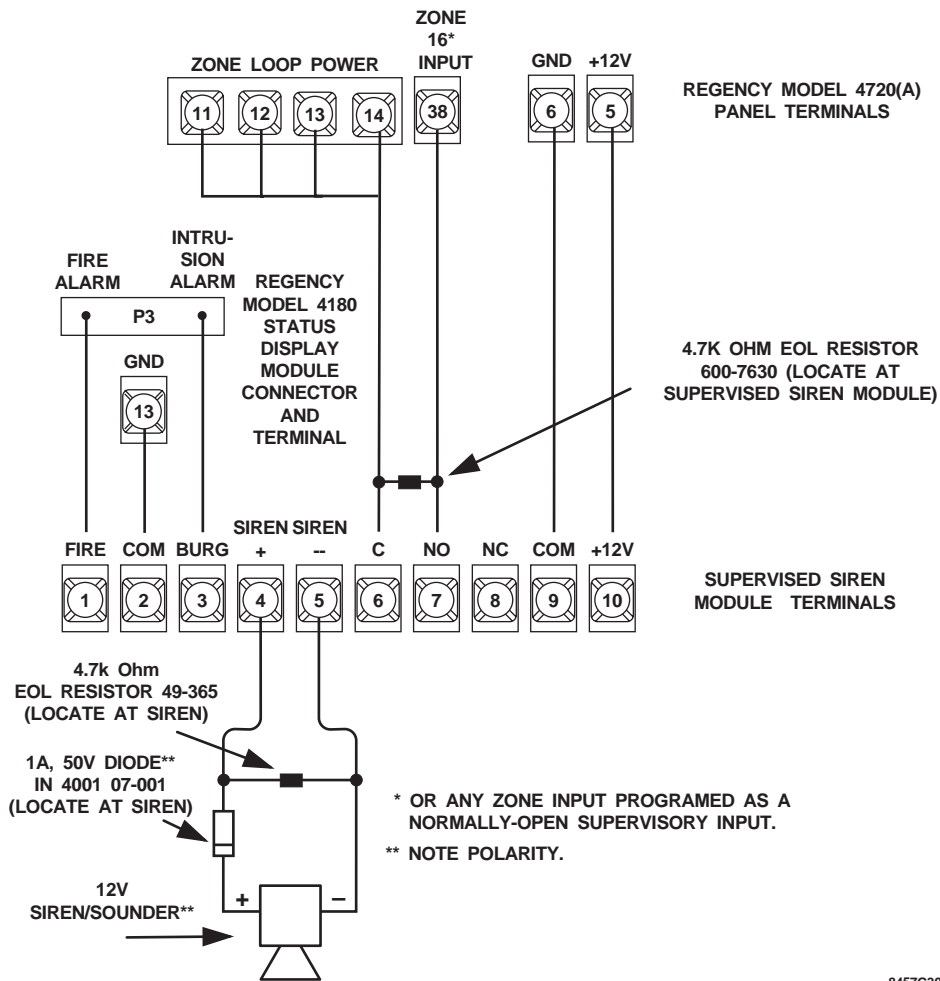
1. Remove panel AC power and disconnect the panel backup battery.
2. Place the Module on the wall or inside the enclosure.
3. Secure the Module to the wall or enclosure using the appropriate mounting screws, anchors, or standoffs (not included).

Wiring the Module

This section describes how to wire the Module to a Regency panel, status display module, and siren.

To Wire the Module:

1. If you have not already done so, remove panel AC power and disconnect the panel backup battery.
2. Wire the Module to the panel, status display module, and siren as shown in Figure 2.



8457G30B.DSF

Figure 2. Typical Regency Panel Module Wiring

Powering Up the Panel

This section describes how to power up the panel and the Module.

To Power Up the Panel and Module:

1. Verify that all wiring at the panel and the Module is correct.
2. Reconnect the panel battery and restore panel AC power.

Testing

Refer to the specific panel's *Installation Instructions* for testing siren operation and supervision.

Verify that burglary alarms produce a steady state siren cadence and that fire alarms produce a “temporal three” (repeating three short beeps) siren cadence.

Also verify that panel annunciates/reports a supervisory when Module siren or relay outputs are cut (disconnected) or shorted.

Specifications

Compatibility: Regency Model 4720, 4720A, and Custom Versions panels with Model 4180 Status Display Modules.

Power Requirements: 12 VDC at 1A maximum (from panel); standby (idle) current draw of 5 mA.

Storage Temperature: -30° to 120° F (-34° to 49° C)

Operating Temperature: 40° to 100° F (4° to 38° C)

Maximum Humidity: 70% relative humidity, non-condensing

Siren Inputs: One fire and one burglar contact closure inputs.

Siren Output: One 12 VDC at 1A maximum siren output. Steady burglary or “temporal three” fire cadence.

Siren Supervision Output: “Form C” normally open and normally closed relay contacts. Contacts rated 2A at 60 VDC or 120 VAC maximum.

Ratings:

FCC Part 15, FCC Part 68

UL Listings: 864,985,1023

ULC: Commercial Fire/Burglary (pending)

CSFM: California State Fire Marshall (pending)

FM: Factory Mutual (pending)

Dimensions: 3.25" x 4.0" x 0.75" (LxWxD)

Installation: Wall or enclosure mounting

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.
1. 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.



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