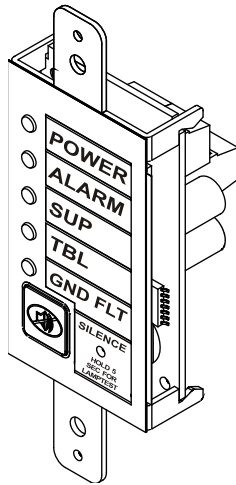




# FSRSI Remote System Indicator Installation Sheet



## Description

The FRSI is a remote system indicator for F-series fire alarm control panels. The FRSI provides five LEDs and a buzzer to indicate AC power status, alarm events, supervisory events, trouble events, and ground fault events. The FRSI also provides a local silence button to turn the buzzer off without affecting the LED indicators.

FSRSI remote system indicators include a cover plate for installation in a standard, single-gang electrical box. You can also install the FRSI with one or two remote zone indicators in an approved 2-, 3-, or 4-gang electrical box. Cover plates for 2-, 3-, or 4-gang electrical boxes (model numbers FSAT2, FSAT3, or FSAT4) are ordered separately.

FSRSI remote system indicators are configured using the jumper described in the table below.

**Table 1: Group selection jumper**

J2	Description
ON	Selects peripheral group 1
OFF	Selects peripheral group 2

**Note:** Only one FRSI is allowed per peripheral group.

## Installation

Install the FRSI according to the instructions provided below.

**Caution:** Make sure all power is disconnected from the panel before installing. Observe static-sensitive handling practices.

For more information, see the technical reference manual listed inside the control panel door.

### To install the FRSI:

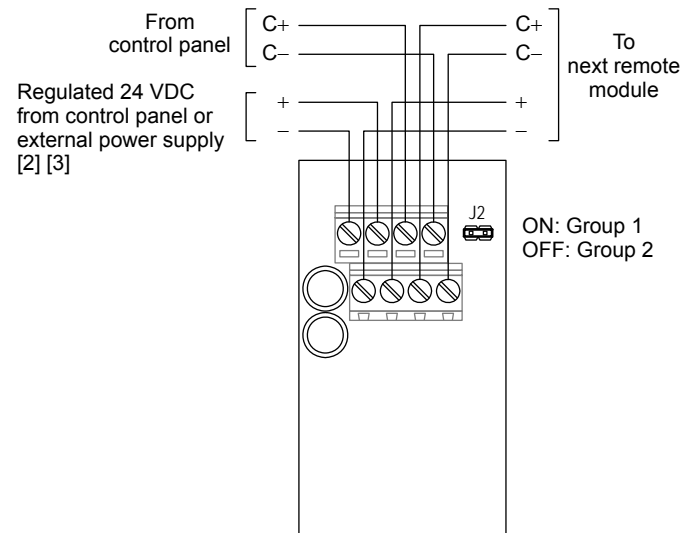
1. Configure the jumpers as described in Table 1.
2. Verify that all field wiring is free of opens, shorts, and ground faults.
3. Wire the FRSI as shown Figure 1.
4. Mount the FRSI in the electrical box using the two plain machine screws. Figure 2.

**Note:** If you are surface mounting the FRSI, you must install washers (provided) between it and the surface mount box.

5. Attach the faceplate to the FRSI. Use the two white machine screws provided with the faceplate.

**Note:** FRSI remote system indicators will not operate properly until detected by the control panel. For more information, see the technical reference manual listed inside the control panel door.

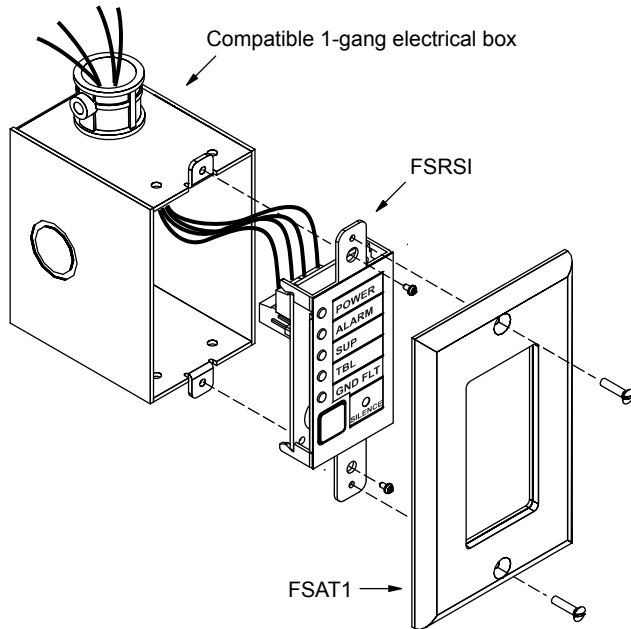
**Figure 1: FRSI wiring diagram**



## Notes

1. All wiring is supervised and power-limited
- [2] AUX power supplied by the control panel can't exceed 0.5 A. If more than 0.5 A is required, you must use a power-limited and regulated 24 VDC auxiliary/booster power supply that is UL/ULC Listed for fire protective signaling systems.
- [3] If powered from an external supply, the supply must be installed in the same room as the control panel and their 24 VDC commons (-) wired together

Figure 2: Installing the FSRSI in a single-gang electrical box



## Specifications

Voltage	18.8 to 27.3 VDC
Current	
Standby	17 mA at 24 VDC
Alarm	56 mA at 24 VDC
Circuit capacitance	0.03 $\mu$ F, max.
Circuit resistance	13 ohms, max.
Ground fault impedance	0 $\Omega$
Wire size	12 to 18 AWG (0.75 to 2.5 sq mm)
Compatible electrical box	ANSI/NEMA OS1-1996, 1- to 4-gang electrical box
LED indicators	AC power (green), alarm (red), supervisory (yellow), trouble (yellow), ground fault (yellow)
Buzzer operation	Steady (trouble event), temporal (alarm event), slow pulse (supervisory event), intermittent (AC fail event)
Operating environment	
Temperature	32 to 120°F (0 to 49°C)
Relative Humidity	0 to 93% RH, noncondensing