

1 Description

The TR-6815 SLC Expander lets you add additional addressable devices to a compatible Fire Alarm Control Panels (FACP).

1.1 Compatibility

The TR-6815 is compatible with the TR-2100/ECS Series Fire Alarm Control Panel FACP. For information on the compatibility and programming, refer to the FACP Installation Manual.

1.2 Specifications

- Standby Current: 78mA
- Alarm Current: 78mA
- Operating Voltage: 24VDC
- Operating Temperature: 32°F to 120°F (0°C to 49°C)

2 Installation

You can mount the TR-6815 in a compatible FACP cabinet, in the TR-RPS1 Intelligent Power Module cabinet, or in the TR-NIC-KIT Remote Mounting Kit. Installation and wiring of this device shall be performed in accordance with NFPA 72 and local ordinances.



CAUTION: STATIC SENSITIVE COMPONENTS

THE CIRCUIT BOARD CONTAINS STATIC-SENSITIVE COMPONENTS. ALWAYS GROUND YOURSELF WITH A PROPER WRIST STRAP BEFORE HANDLING ANY BOARDS SO THAT STATIC CHARGES ARE REMOVED FROM THE BODY. USE STATIC SUPPRESSIVE PACKAGING TO PROTECT ELECTRONIC ASSEMBLIES.

To mount the TR-6815:

1. Remove power from the panel.
2. If mounting the TR-6815 in an FACP or TR-RPS1 cabinet, use the standoffs located below the panel assembly and secure with screws provided with the TR-6815.

–OR–

If mounting the TR-6815 in a TR-5815RMK or TR-NIC-KIT, position the TR-6815 board(s) as shown in Figure 1 and snap them into place on the plastic standoffs.

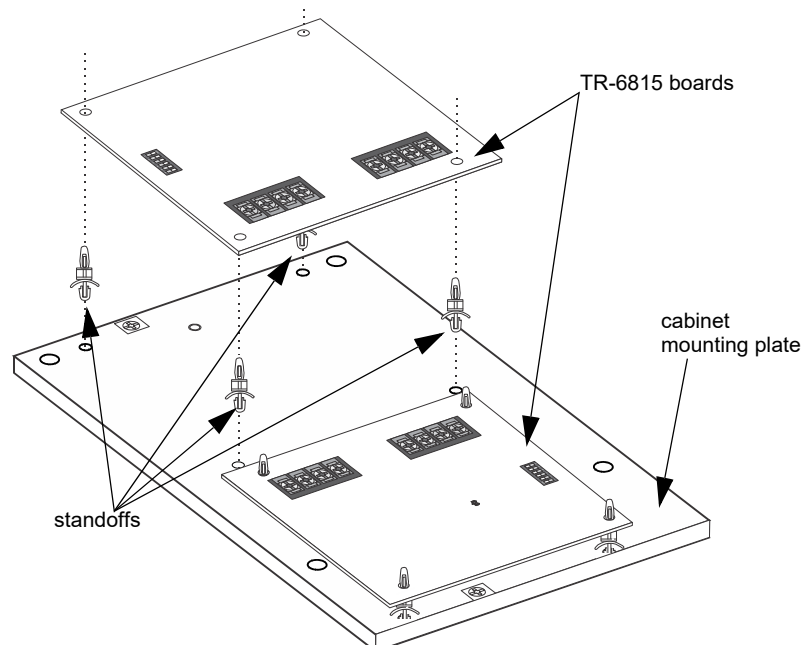


Figure 1 Standoff Installation and TR-6815 Board Mounting

3 Wiring

The TR-6815 SLC Expander can be wired as either Class A or Class B. Wire the TR-6815 to a compatible FACP or the TR-RPS1 as described below.

TR-6815 Terminals	FACP SBUS Out Terminals
+	+
-	-
A	A
B	B

Table 1 TR-6815 to FACP Terminal Connections

The FACP may have a different layout than shown, but wiring to the SBUS is the same.

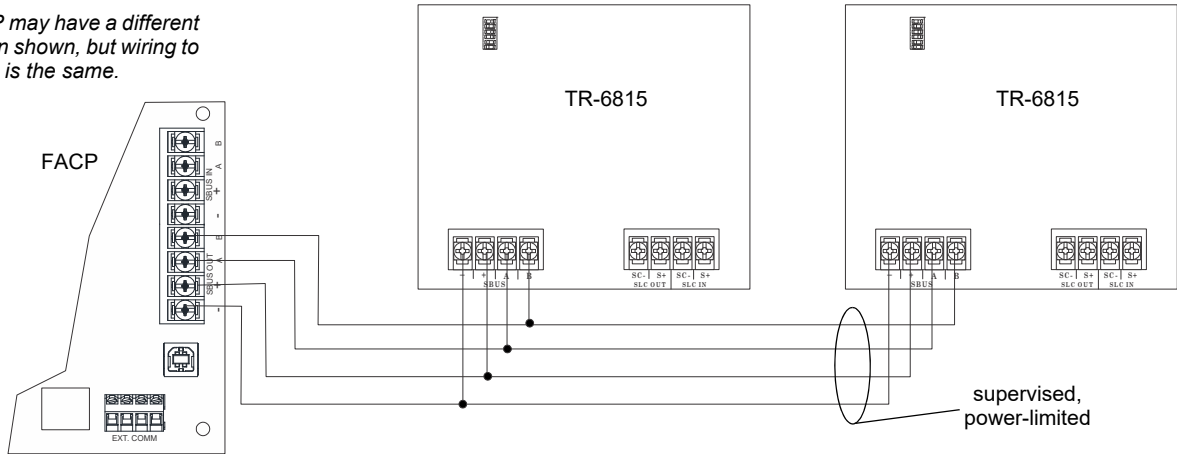


Figure 2 TR-6815 Connection to the Control Panel (Class B Example)

4 Setting DIP Switches

Use the onboard DIP switches to select an ID number for the TR-6815. Refer to Figure 3 to determine how to set the DIP switches for the desired ID number. Note that address 0 is an invalid address and cannot be used. After setting the ID number, use JumpStart Auto-programming to add the TR-6815 to the system. You can also add the TR-6815 to the system manually.

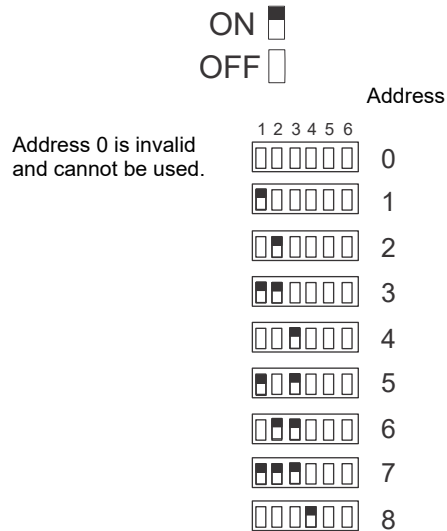


Figure 3 Set DIP Switches on the TR-6815