



TRIGA Life Safety Systems, LLC
 7600 Olde Eight Rd, Hudson, Ohio, 44236-1057
 Tel: +1 330-577-5199, Email: info@trigaglobal.com

TR-6815 SLC Expander Product Installation Document

PN LS10173-003TR-E:A 02/03/21 ECN: 151608

1 Description

The TR-6815 SLC Expander is used to add the additional addressable devices to the compatible Triga Series®, Fire Alarm Control Panels (FACPs).

NOTE: The installation and the wiring of this device shall be performed in accordance with the NFPA 72 and the local ordinances.

1.1 Compatibility

The TR-6815 can be used with the compatible Triga Series, Fire Alarm Control Panels (FACP's). For additional information, refer to the following FACP Installation Manuals. The documents are located on the Triga ESD website, www.trigaglobal.com.

Document	Document Part Number
TR-2100R/ECSR Manual	LS10143-003TR-E
TR-RPS1 Manual	LS10259-002TR-E
Triga Series ECS Manual	LS10262-002TR-E

1.2 Specifications

The specifications are as follows:

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

2 Mounting

Mount the TR-6815 in one of the following compatible FACP cabinets:

- TR-RPS1 Intelligent Power Module cabinet
- TR-NIC-KIT Remote Mounting Kit

WARNING: The electronic components on the TR-6815 and the panel are sensitive to electrostatic discharge. Wear a grounding strap when handling any of the boards.

To mount the TR-6815, perform the following steps.

1. Remove the power from the panel.
2. There are two ways to mount the TR-6815:
 - If you mount the TR-6815 in an FACP, use the standoffs located under the panel assembly and secure with screws provided with the TR-6815.
 - OR–
 - If you mount the TR-6815 in the TR-NIC-KIT, position the TR-6815 board(s) and snap them into place on the plastic standoffs as shown in Figure 1.

Figure 1 shows the TR-6815 components installation.

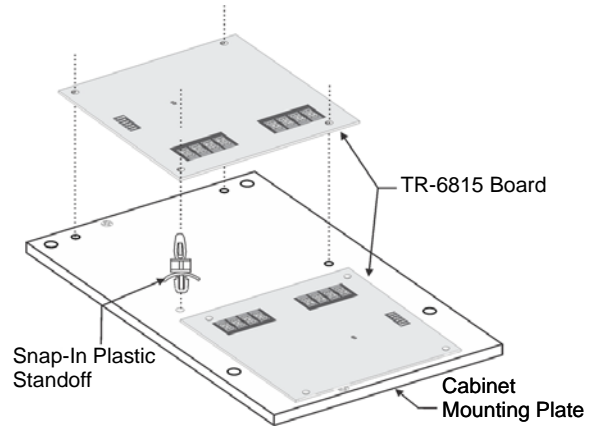


Figure 1 TR-6815 Board and Standoff Mounting Installation

3 Wiring

To wire the TR-6815 board to a compatible FACP, refer to Table 1 and Figure 2.

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

Table 1 TR-6815 to the FACP Wiring Connections

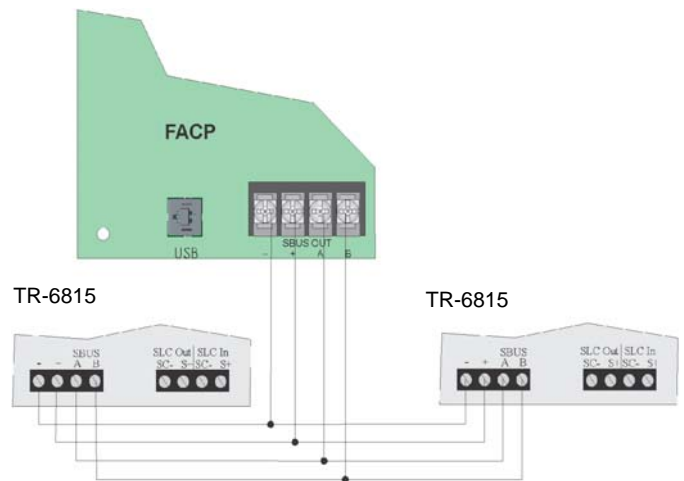


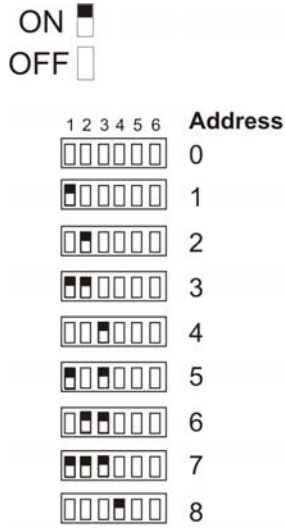
Figure 2 TR-6815 to the Control Panel Connection

3.1 Setting DIP Switches

Use the onboard DIP switches to select an ID number to assign to the TR-6815. To determine how to set the DIP switches for the desired ID number, refer to Figure 3.

After you set the ID number, there are two options to add the ID number to the System.

- Use the JumpStart[®] Program to add the ID number (assigned to the TR-6815) to the System.
- Manually add the ID number to the System.



*Note: Address 0 cannot be used.

Figure 3 TR-6815 DIP Switch Settings