TRIGA

TR-5824 Serial/Parallel Printer Interface Module Product Installation Document

1   Description

The TR-5824 Serial/Parallel Printer Interface Module connects a compatible fire alarm control panel (FACP) directly to a printer. This is used to print the Event History. You can also print the System Event Logs in real-time and the detector status from the addressable FACPs.

> **NOTE:** The installation and wiring of this device must be done in accordance with the NFPA 72 and the local ordinances.

1.1 Compatibility

The TR-5824 is used with the compatible Triga Series, Fire Alarm Control Panels (FACPs). For information on the programming, the addressing and the wire connections, refer to the following FACP Installation Manuals.

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

1.2 Specifications

The specifications are as follows.

- Standby Current: 50mA
- Alarm Current: 50mA
- Operating Voltage: 24 VDC
- Max per FACP: Addressable FACPs quantity-4
- Ambient Temperature: 32°F to 120°F (0°C to 49°C)
- Max Wiring Distance from FACP: 6000 ft. (1829 m)
- Mounting: Surface
- Dimensions: 6"W x 7-3/4"H x 1-7/16"D
                                            (15.2cmW x 19.7cmH x 3.7cmD)
- Parallel Port: Ancillary
- Serial Port: Primary Fire Signaling

2   Mounting

The TR-5824 is encased in a plastic enclosure which must be mounted inside the annunciator or the accessory cabinet.

To mount the TR-5824 plastic enclosure into the appropriate cabinet, refer to the following steps.

1. Remove the TR-5824 cover. Use a small screwdriver, if necessary.
2. To remove the TR-5824 circuit board from the base, push outward on the base snap retaining tabs and lift-out the circuit board.
3. Mount the plastic base into the appropriate accessory cabinet.

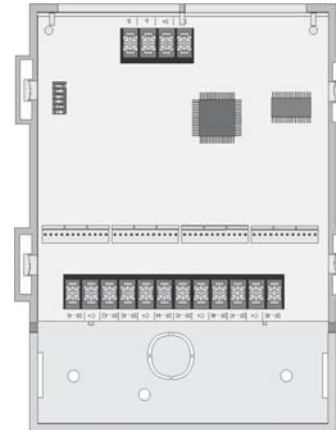4. Reinstall the circuit board in the plastic base. See Figure 1.

Figure 1 TR-5824 Circuit Board and the Plastic Base

> **NOTE:** It may be necessary to connect the wiring to the circuit board before the board is reinstall into the base.

3   Wiring the TR-5824 to the FACP

To wire the TR-5824 to the FACP, refer to Table 1 and Figure 2.

TR-5824Terminals	FACP Terminals
B	B
A	A
S+	PWR+
S-	GND –

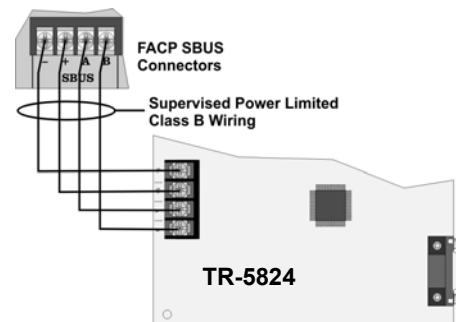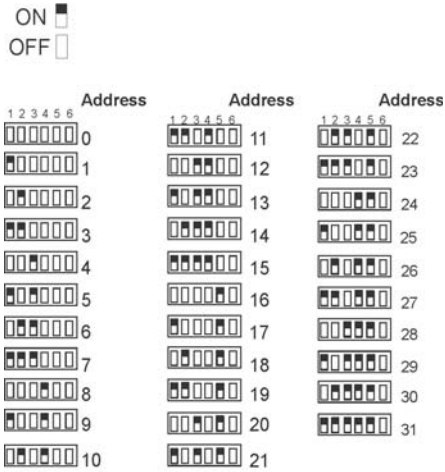**Table 1 TR-5824 to FACP Terminal Connections**

Figure 2 TR-5824 to the FACP Wiring Connections

3.1 Setting DIP Switches

Each TR-5824 that is connected to a compatible FACP requires an ID number. To set the ID number, use the DIP switches on the TR-5824 circuit board.

To determine how to position the DIP switches for the desired ID number, refer to Figure 3.

For specific information on the device ID assignments, refer to the ECS System Installation Manual, P/N:LS10262-002TR-E.

*Address 0 cannot be used

Figure 3 TR-5824 DIP Switch Settings Used to Set the ID Number

3.2 Printer Connection

To connect the TR-5824 to the printer, you need to provide either of the following:

- a pass-through 9-pin serial cable or
- a 25-pin-to-Centronics® parallel cable

Using the appropriate printer cable, connect the cable to the serial or parallel port on the TR-5824, and then connect it to the printer.