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TR-LOC2100 Product Installation Document

PN LS10188-003TR-E:A 04/27/21 ECN: 151608

1 Description

The TR-LOC2100 Local Operator Console is a combination ECS-RVM Remote Voice Module and it is associated with the TR-RD2R/G keypad annunciator which is compatible with the Emergency Communication System.

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

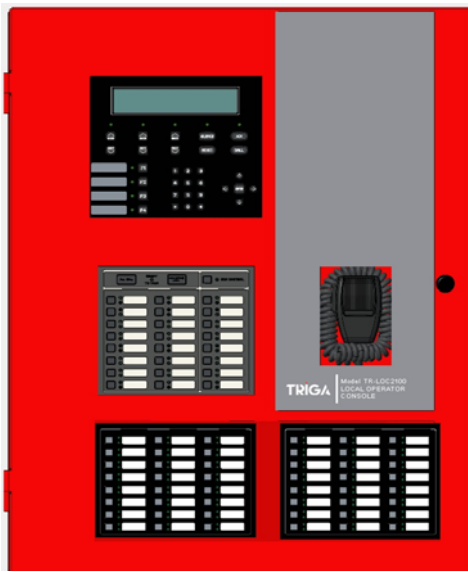


Figure 1 TR-LOC2100 Cabinet

1.1 Compatibility

The TR-LOC2100 is compatible with the Triga Series, TR-2100/ECS Fire Alarm Control Panel (FACP). For additional information, refer to the following FACP Installation Manuals.

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

1.2 Electrical Ratings

The electrical ratings are as follows.

- Standby Current: 105mA
- Alarm Current: 175mA

2 Mounting the Cabinet

1. Open the cabinet door, remove the dead front panel screws, and open the dead front panel.
2. Remove the AC power and disconnect the backup batteries from the main control panel.
3. When you mount the cabinet, two options are as follows:
 - If you mount the cabinet on the interior walls, use the appropriate screws such as #10 sheet rock or concrete screw to anchor into plaster.
 - If you mount on concrete, especially when moisture is expected, attach a piece of 3/4" (1.91cm) plywood to the concrete surface and then attach the TR-LOC2100 to the plywood.

2.1 Surface Mounting

Use the mounting holes in the back of the cabinet to mount the cabinet on the wall surface.

1. Using the dimensions in Figure 2, mark and pre-drill the holes in the wall for the center top keyhole mounting bolts.
2. Place the backbox over the top screw, level or align and secure it.
3. Install the remaining fasteners and tighten the fasteners.

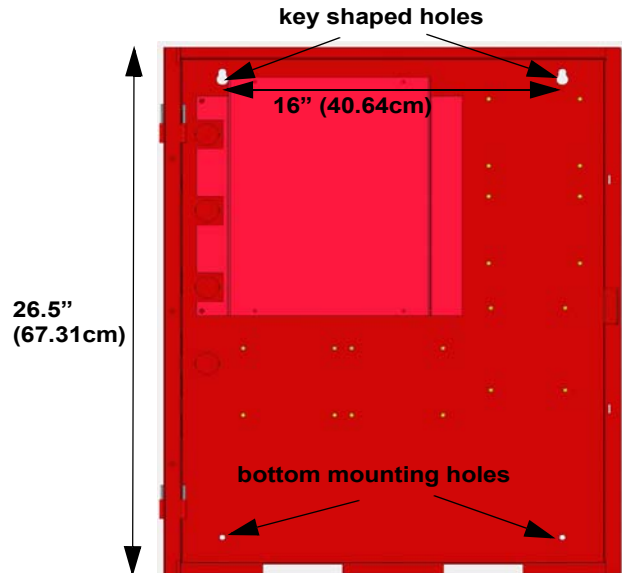


Figure 2 Cabinet Mounting Holes

2.2 Recessed Mounting

To recess mount the cabinet, refer to the following steps.

1. Cut a recess hole.
 There should be 1.5" (3.81cm) to 1.75" (4.45 cm) space of the cabinet extending from the wall. This space should be measured from either the top edge or the bottom edge to the exterior side of the sheet rock.
2. To mount the cabinet to the wall studs, insert a screw through the cabinet's side mounting holes and into the wall stud. Then, secure it.

- To reinstall the doors, first align the top hinge and then align the lower hinge. See Figure 3.

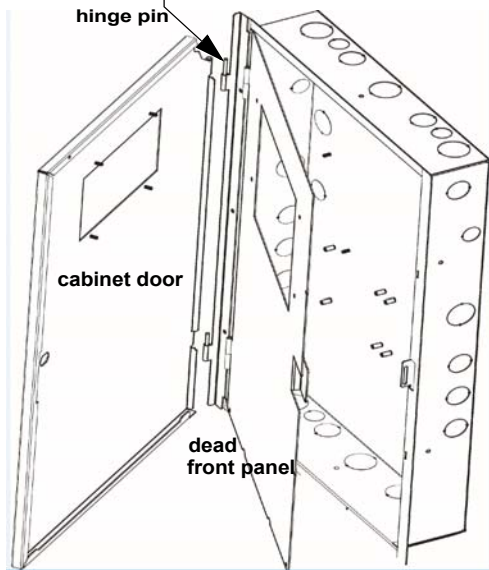


Figure 3 Cabinet Door and Dead Front Panel Removal

2.3 Board Layout

Figure 4 illustrates the TR-2100 back view of the board.

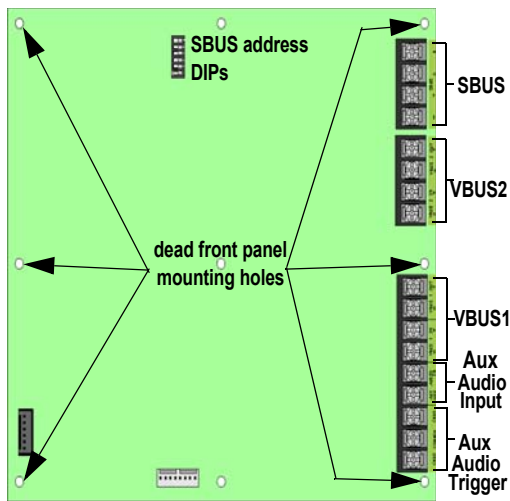


Figure 4 TR-LOC2100 Board (Back View)

3 Wiring to an FACP

To properly wire the TR-LOC2100 to the FACP SBUS, refer to the Figure 5.

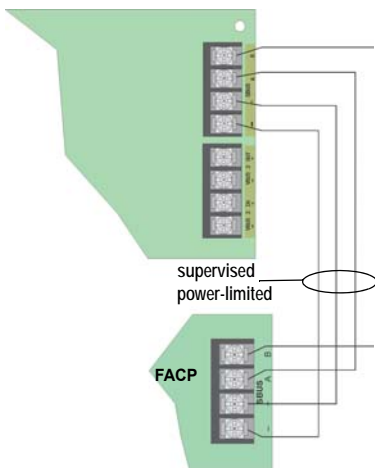


Figure 5 Wiring the to the FACP

3.1 Microphone Installation

To install the microphone, do the following.

- Clip the microphone into the microphone clip. See Figure 6.

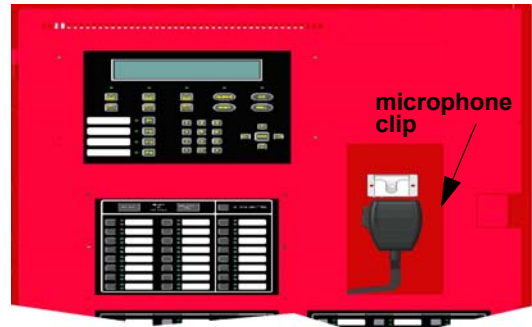


Figure 6 Microphone with the Microphone Clip

- Insert the microphone cord through hole on the side of the dead front panel. See Figure 7.
- Connect the microphone cord.

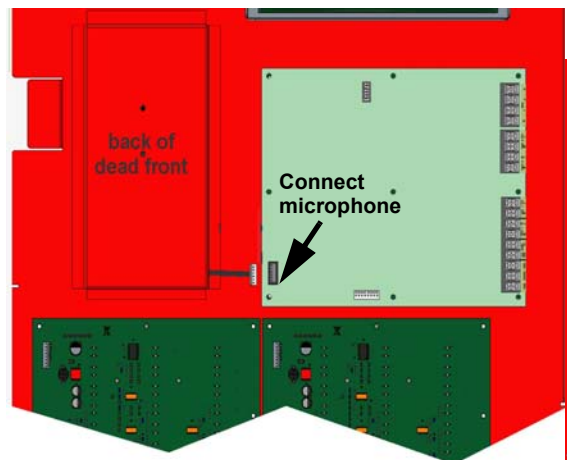


Figure 7 Microphone Cord Inserted Through the Dead Front Panel Hole

- Attach the strain relief clip to the microphone cord. The strain relief clip should have about 2 3/4" (6.99 cm) of microphone cord through it. See Figure 8.

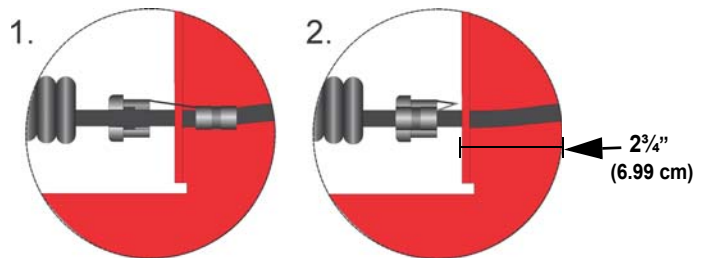


Figure 8 Strain Relief Clip Installation

- Push the strain into the hole in the dead front panel.
- Restore the AC power and reconnect the backup batteries.

3.2 Optional Accessory

The optional accessory is the THUMBLTCH - Turn latch lock (it is not intended for UL® installations).