

TR-ANU-48

TR-ANU-48 LED Driver Module

The TR-ANU-48 is a remote annunciator used with the GEN2 Series Fire, Mass Notification, Voice Evacuation and GEN2S Series Systems.

GENERAL

The TRIGA, TR-ANU-48 LED Driver Module is a remote annunciator that is used in conjunction with the following systems.

- GEN2 Series Expandable Emergency Evacuation System
- GEN2 Series Combined Fire and Mass Notification System
- GEN2 Series Broadband Voice Evacuation System
- GEN2 Series Small Addressable Fire Alarm Control Panel

It provides output for up to eight remote panel switches and 48 remote LEDs, contributing to the versatility and flexibility of the TRIGA System.

The switches may be programmed to operate as any of the following predefined functions:

- Speaker Circuit Switch

- Fire Fighter Phone Switch
- Auxiliary Control Switch using a bank of two switches (use one switch for each On-Off- Auto function)

In addition, the switches may be programmed to operate with the following custom-defined functions:

- System Silence
- Alarm Acknowledge
- Alarm Tone On
- Drill and System Reset/LED
- Trouble Acknowledge
- Lamp Test
- Manual Select

The output is also provided for the following LEDs:

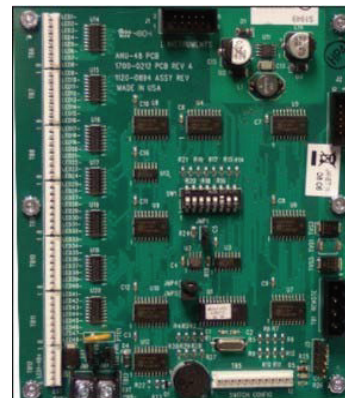
- Alarm
- Supervisory
- NAC #1 Silenced
- NAC #2 Silenced
- System Trouble
- System Silenced
- Power Fault

Although the Underwriters Laboratories Standards only address testing at ambient temperatures down to 32° F, the TR-ANU-48 is Factory Mutual Approved for an ambient temperature of -40° F/C (non-condensing). When the TR-ANU-48 is powered externally, each driver circuit provides a maximum of .050 amp with a maximum of 2.4 amperes per each TR-ANU-48 module.

If you install more than four TR-ANU-48 modules, an external regulated and Class 2 powerlimited power supply, Listed for use with the fire protective signaling units, is required.

FEATURES & BENEFITS

- Listed under UL® Standard 864, 10th Edition
- Listed under UL® Standard UL2572, 2nd Edition for Mass Notification
- Includes input for eight software programmable switches, maintained on momentary contact
- Provides output for up to 48 remote LEDs or driver circuits
- The TR-INI-VG Series, TR-ILI-MB-E3 or SLP (Smart Loop Panel) can support up to 16 TR-ANU-48 LED driver modules or ASM-16 switch modules for a total of 128 switches and 768 LEDs
- Installed up to 3,000 feet (914.4 m) from the control panel, and up to 15 additional annunciators can be connected
- Adaptable to be mounted in any remotely located UL Listed annunciator enclosure Listed with the TR-ANU-48



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Note: Specifications are subject to change without notice.



Technical Specifications

SPECIFICATIONS

Operating Voltage: 24 VDC (non-resettable)

Operating Current: 0.011 amp*

Operating Temperature: 32° to 120° F (0° to 49° C)

Relative Humidity: 0 to 93% (non-condensing) at 90° F (32° C)

(*)Note: Add .003 amp for any LED to be lit for any condition

when powered internally. When powered externally, each driver circuit provides a maximum of 0.050 amp with a maximum of 2.4 amps. per TR-ANU-48 sub-assembly (48) circuits.

TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0 – 49°C/32 – 120°F and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

STANDARDS

The TR-ANU-48 is designed to comply with the following standards:

UL Standards: UL 864, 10th Edition

UL 2572, 2nd Edition for Mass Notification

ORDERING INFORMATION

TR-ANU-48: Remote LED Driver Module

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