

TR-ATD-L3 SERIES

Addressable Heat Detectors

The TRIGA, TR-ATD-L3 Series heat detectors are designed for both performance and aesthetics. A new modern, sleek, contemporary design and advanced thermal technologies make the TR-ATD-L3 Series ideal for both system operation and building design.

The GEN2 Series includes a 135°F/57°C fixed-temperature, rate-of-rise, and a 180°F/ 88°C fixed high-temperature detectors. The point ID address, set using rotary decimal switches, provide specific detector locations. These thermal detectors provide effective, intelligent property protection in a variety of applications.

- TR-ATD-L3 offers 135°F fixed thermal detection.
- TR-ATD-L3R offers 135°F fixed and rate-of-rise thermal detection.
- TR-ATD-L3H provides fixed high-temperature detection at 190°F.

Thermal Detector must be installed on compliance with the control panel system installation manual. The installation meet the requirements of the Authority Having Jurisdiction(AHJ).



FEATURES & BENEFITS

- Designed to meet UL 521 7th Edition
- Sleek and stylish contemporary design
- Advanced thermal technology for fast response
- Fixed temperature model (TR-ATD-L3) factory preset to 135°F (57°C)
- Rate-of-rise model (TR-ATD-L3R), 15°F (8.3°C) per minute
- High temperature model (TR-ATD-L3H) factory preset to 190°F (88°C)
- Addressable by device
- Rotary, decimal addressing (Refer to the TRIGA panel manuals for device capacity)
- Two-wire SLC connection
- LEDs blink every time the unit is polled
- 360°-field viewing angle of the visual alarm indicators (two bi-color LEDs); LEDs blink green in Normal condition and turn on steady red in Alarm
- Integral communications and built-in device-type identification
- Remote test feature from the panel
- Built-in functional test switch activated by external magnet
- Walk test with address display (an address of 121 will blink the detector LED 12- (pause)-1)
- Low standby current
- Built-in tamper-resistant feature
- Designed for direct-surface or electricalbox mounting
- Sealed against back pressure
- Plugs into separate base for ease of installation and maintenance
- SEMS screws for wiring of the separate base
- Optional remote, single-gang LED accessory
- Optional sounder, relay, and isolator bases
- Optional flanged surface mounting kit

Note: Specifications are subject to change without notice.

INSTALLATION

The TR-ATD-L3 Series plug-in intelligent thermal detectors use a separate base to simplify installation, service, and maintenance. Installation instructions are shipped with each detector.

Mount base (all base types) on an electrical backbox which is at least 1.5" (3.81 cm) deep. For a chart of compatible junction boxes, see 9021-60540.

Note: Because of the inherent supervision provided by the SLC loop, end-of-line resistors are not required. Wiring "T-taps" or branches are permitted for Style 4 (Class "B") wiring.

Note: When using relay or sounder bases, consult the TR-M500X installation sheet I56-3629 for device limitations between isolator modules and isolator bases.

Technical Specifications

PHYSICAL / ENVIRONMENTAL

Size: 2.0" (5.3 cm) high; base determines diameter

-**TR-B300-6:** 6.2" (15.6 cm) diameter

-**TR-B501:** 4.1" (10.2 cm) diameter

Operating temperature range: TR-ATD-L3,

TR-ATD-L3R Series: -4°F to 100°F (-20°C to 38°C)

TR-ATD-L3H Series: -4°F to 150°F (-20°C to 66°C)

Detector spacing: UL approved for 50 ft. (15.24 m)

center to center; FM approved for 25 x 25 ft. (7.62 x 7.62 m) spacing

Relative humidity: 10% – 93% non condensing

Thermal ratings: Fixed-temperature set point 135°F (57°C), rate-of-rise detection 15°F (8.3°C) per minute, high temperature heat 190°F (88°C)

ELECTRICAL

Voltage range: 15 - 32 volts DC peak

Standby current (max. avg.): 200µA @ 24 VDC

(one communication every 5 seconds with LED enabled)

LED current (max.): 4.5mA @ 24 VDC ("ON")

ACCESSORIES

TR-RA100Z: Remote 3 – 32 VDC LED annunciator, mounts to a U.S. single-gang electrical box, for use with TR-B501 and TR-B300-6 bases only.

ORDERING INFORMATION

TR-ATD-L3: White, low-profile intelligent 135°F fixed thermal sensor

TR-ATD-L3R: White, low-profile intelligent rate-of-rise thermal sensor

TR-ATD-L3H: White, low-profile intelligent 190°F fixed thermal sensor

TR-B300-6: White, standard flanged low-profile mounting base

TR-B501-WHITE: White, standard European flangeless mounting base

TR-B200S-WH: White, Intelligent, programmable sounder base

TR-B200SR-WH: White, Intelligent sounder base for retrofit applications

TR-B200S-LF-WH: White, Low Frequency Intelligent, programmable sounder base

TR-B200SR-LF-WH: White, Low Frequency Intelligent sounder base for retrofit applications

TR-B224RB-WH: White, plug-in System Sensor relay base

TR-B224BI-WH: White, plug-in System Sensor isolator detector base

AGENCY LISTINGS AND APPROVALS

For exact certification listings for each model, please reference the respective agency website.

UL listed

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Note: Specifications are subject to change without notice.