

TR-MCS-CO3

Intelligent Carbon Monoxide Sensor

TR-MCS-CO3 is an intelligent, addressable carbon monoxide (CO) detector with integral communication to provide point location for alarm communication and selective maintenance.

This detector has point ID capability that enables each detector address to be set with rotary address switches providing exact device locations. The modern design and expanded color options support contemporary aesthetic demands. In addition, each detector is constructed for exceptional installation and maintenance efficiency.

TR-MCS-CO3 incorporates carbon monoxide (CO) detection principles meeting the UL 2075 standard for system-connected life safety carbon monoxide detection. As an addressable detector, additional modules are not needed for point ID which streamlines the installation process. This allows you to upgrade your addressable fire system to meet new CO code requirements in applications with fuel burning equipment such as furnace areas and laundry rooms.

Released through the incomplete burning of various fuels, CO is a colorless, odorless and deadly gas that is virtually impossible to detect with the human senses. Because the potential exists for dangerous levels of CO to accumulate in almost any building, legislation mandating the use of CO detection in commercial spaces continues to grow.

TR-MCS-CO3 is recommended for use in conjunction with TR-B200S intelligent sounder bases. These bases can generate a Temp 4 pattern for CO alarm indication.



TR-MCS-CO3
with TR-B200S-WH Sounder Base

FEATURES & BENEFITS

- Intelligent CO detector
- Automatic drift compensation of CO cell
- RealTest® CO testing capability
- UL 2075 listed
- Audible signal for CO alarm when used with TR-B200S series base
- 10-year CO cell with end-of-life warning and fault
- New modern profile



Note: Specifications are subject to change without notice.



Technical Specifications

PHYSICAL

Height: 2.7 in. (69 mm) installed in TR-B200S series sounder base
Diameter: 6.875 in. (175 mm) installed in TR-B200S series sounder bases
Weight: 3.4 oz. (95 g)
Color: White

ENVIRONMENTAL

Operating Humidity Range: 15% to 90% Relative Humidity, Non-condensing
Operating Temperature Range: 32°F to 122°F (0°C to 50°C)

ELECTRICAL

Operating Voltage Range: 15 to 32 VDC
Operating Current @ 24 VDC: 200 μ A (one communication every 5 seconds with green LED blink on communication)
Maximum Alarm Current: 2 mA @ 24 VDC (one communication every 5 seconds with red LED solid on)
Maximum Current: 4.5 mA @ 24 VDC (one communication every 5 seconds with amber LED solid on)
Isolator Load Rating: 0.0063

CO MONITORING UL STANDARD REFERENCE

Alarm thresholds (in parts per million) are as follows for:

- 70 $\pm$ 5ppm:
Detector response time 60 – 240 min.
- 150 $\pm$ 5ppm:
Detector response time 10 – 50 min.
- 400 $\pm$ 10ppm:
Detector response time 4 – 15 min.

ORDERING INFORMATION

CO Detectors

TR-MCS-CO3: Intelligent addressable carbon monoxide detector

BASES

TR-B501-WHITE: 4" Mounting base, white
TR-B300-6: 6" Flanged mounting base, white
TR-B200S-WH: Intelligent addressable sounder base, white
TR-B200S-LF-WH: Intelligent addressable sounder base, low-frequency, white
TR-B224BI-WH: Intelligent Isolator base, white
TR-B224RB-WH: Intelligent Relay base, white

ACCESSORIES

TR-RA100Z: Remote LED annunciator

AGENCY LISTINGS AND APPROVALS

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

TRIGA INVESTMENTS, LLC
340 Taxiway Bravo Beeville, TX 78102,
Tel: +1330-577-5199. Email: info@trigaglobal.com

Note: Specifications are subject to change without notice.