

TR-2100R / TR-2100B / TR-R2100R / TR-R2100B

Scalable Analog/Addressable Fire Alarm Control System

The TR-2100R (red) and TR-2100B (black) are intelligent analog/ addressable Fire Alarm Control Panels (FACP), which contains one built in signaling line circuit (SLC), which can support 159 sensors and 159 modules per loop. Additional SLC loops can be added using the model TR-6815 SLC expander to increase the overall point capacity to 2100 points per panel.

TR-2100R, TR-2100B, TR-R2100R & TR-R2100B has the interconnection capability for up to 32 panels. The system has two modes of operation, multiple panels covering one larger building, or multiple independent buildings. The TR-R2100R (red) or TR-R2100B (black) can be used in a networked system where at least one TR-2100R or TR-2100B is in the system without a display on the panel facia. The TR-R2100R & TR-R2100B is best with the same features of TR-2100R & TR-2100B.

All these panels are feature-rich with detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert, and calibration trouble alert and has eight on-board Flexput™ circuits that can be configured for auxiliary power, notification outputs, or for conventional smoke detector inputs (Class A or Class B). The FACP also has a Built in dual phone line digital alarm communicator / transmitter (DACT), IP or optional cellular technologies, Form C trouble relay, and two programmable Form C relays.



FEATURES & BENEFITS

- TR-R2100R/TR-R2100B can be used in a networked system where at least one TR-2100R/TR-2100B is in the system
 - Four line LCD display with 40 characters per line
 - Available in a red or black cabinet
 - TR-2100R/TR-2100B or TR-R2100R/TR-R210B can be surface or flush mounted
 - Four programmable function keys
- Network support for up to 32 Sites
- Built-in support for up to 159 detectors and 159 modules
- Network card allows copper network connection with a multi-mode or single-mode fiber connection option
- Built-in dual phone line, digital alarm communicator/transmitter (DACT), IP or optional cellular technologies
- JumpStart AutoProgramming® feature for easy programming
- Renewable license on downloading software helps inhibit unauthorized programming
- Built in USB interface for programming
- Supports up to four wireless gateways. Each gateway can have up to 49 wireless devices
- Supports Class B (Style 4) and Class A (Style 6 or Style 7 configuration for SLC, and SBUS.

Technical Specifications

PHYSICAL

Overall Dimensions: 26.4"H x 16.4"W x 4.11"D

Shipping Weight: 33 lbs.

Color: Red or Black

ENVIRONMENTAL

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

Humidity: 0 to 93% relative humidity (noncondensing)

ELECTRICAL

TR-2100R AC: 240VAC @ 50/60Hz, 2.8A

Total Accessory Load: 9A @ 24VDC power-limited

Standby Current: 230mA

Alarm Current: 415mA

Battery Charging Capacity: 17 to 55AH

Battery Size: 18AH max. allowed in control panel cabinet. Larger capacity batteries can be housed in RBB accessory cabinet.

Six Conductor Wiring: Two voice bus & four SBUS

FLEXPUT CIRCUITS

Eight circuits that can be programmed individually as:

Notification Circuits: 3A per circuit @ 24VDC, power limited

Auxiliary Power Circuits: 3A per circuit @ 24VDC, power limited.

Initiation Circuit: 100mA per circuit @ 24VDC, power-limited

ORDERING INFORMATION

TR-2100R: High Voltage (240V) Intelligent Fire Alarm Control Panel. Red Cabinet

TR-2100B: High Voltage (240V) Intelligent Fire Alarm Control Panel. Black Cabinet

TR-R2100R: High Voltage (240V) Remote Fire Alarm Panel without built in display. Red Cabinet.

TR-R2100B: High Voltage (240V) Remote Fire Alarm Panel without built in display. Black Cabinet.

This document is not intended to be used for installation purposes. We try to keep our product information up-to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

SBUS ACCESSORIES

TR-RD2R, TR-RD1G, TR-RD1R, RA-100,

TR-RD2G: Remote annunciators

TR-6815: Signal Line Circuit (SLC) Expander

TR-RPS1: Power Supply. Red or Black Cabinet

TR-5824: Serial/Parallel Module

TR-5880: LED I/O Module

TR-5865-3 or TR-5865-4: LED Announcer

TR-5883: Relay Interface

MISCELLANEOUS ACCESSORIES

TR-SCK: Seismic Compliance Kit

TR-NIC: Network Interface Card

TR-FML: Multi Mode Fiber Card

TR-FSL: Single Mode Fiber Card

AGENCY LISTINGS AND APPROVALS

NFPA 13, NFPA 15, NFPA 16, NFPA 70, & NFPA 72:

Central Station; Remote Signalling; Local Protective Signalling Systems; Auxiliary Protected Premises Unit & Water Deluge Releasing Service

UL Listing

FM Approved

APPROVED RELEASING SOLENOIDS

Asco T8210A107 24 VDC 3 A max 0 Hz

Asco 8210G207 24 VDC 3 A max 0 Hz

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