

# 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.



**TR-2100B**



**TR-R2100B**

## 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
- Network support for up to 32 Sites
- Built-in support for up to 159 detectors and 159 modules
- Four line LCD display with 40 characters per line
- Available in a red or black cabinet
- TR-2100R/TR-2100B or TR-R2100R/TR-R2100B can be surface or flush mounted
- Four programmable function keys
- 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

### 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

### 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.

### 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 Annunciator

**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

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.