



**TR-75B**

## TR-75R / TR-75B

### Intelligent Fire Alarm Control Panel

The TR-75R (red) and TR-75B (black) are intelligent addressable fire alarm control panels (FACP). TR-75 has a single line circuit (SLC) loop for connecting addressable detectors, which can support 75 TRIGA sensors and modules per loop. For TRIGA devices the overall point capacity to a maximum of 150 points per panel.

TR-75 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. To network panels together use the TR-NIC network interface card. Copper wire or fiber optic cable panel connectivity can be used within the same networked system.

TR-75 has a built-in dual-line digital and IP communicator with an optional cellular communication module, Form C trouble relay, and two programmable Form C relays. TR-75 has powerful features such as detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert, and calibration trouble alert.

The TR-75 supports a variety of devices, including TR-RD2R, TR-RD1R remote annunciator, TR-5824 serial/parallel printer interface module (for printing system reports), TR-RPS1 power module, and TRIGA SWIFT wireless devices..

## FEATURES & BENEFITS

- Network support for up to 32 Sites
- Built-in support for up to 75 TRIGA detectors and 75 TRIGA modules
- Four line LCD display with 40 characters per line
- Available in a red or black cabinet
- TR-75 can be surface or flush mounted
- Built-in USB interface for convenient and quick programming
- Programmable date setting for Daylight Saving Time
- JumpStart AutoProgramming® feature for easy programming
- Built-in dual phone line, digital alarm communicator/transmitter (DACT), IP or optional cellular technologies
- Network card allows copper network connection with a multi-mode or single-mode fiber connection option
- Convenient field-upgradeable firmware
- Supports up to four SWIFT 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
- Built in synchronization for appliances from AMSECO, Gentex®, System Sensor®, and Wheelock
- Reports events to central station by point or by zone

# TR-75 Technical Specifications

## PHYSICAL

**Overall Dimensions:** 15.12"H x 12.71"W x 3.33"D

**Shipping Weight:** 15 lbs.

**Color:** Red or Black

## ENVIRONMENTAL

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

**Humidity:** 0 to 93% relative humidity (non-condensing)

## ELECTRICAL:

**TR-75 Primary AC:** 240 VAC @ 60 Hz, 1A Total

**Total Accessory Load:** 2.5A @ 27.4VDC power-limited

**Standby Current:** 165mA

**Alarm Current:** 310mA

**Battery Charging Capacity:** 7 to 35AH

**Battery Size:** 7AH max. allowed in control panel cabinet. Larger capacity batteries can be housed in RBB accessory cabinet.

## 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 Listed**
- **Seismic (CA)** (pending),

## APPROVED RELEASING SOLENOIDS

Asco T8210A107	24 VDC	3 A max	0 Hz
Asco 8210G207	24 VDC	3 A max	0 Hz

## ORDERING INFORMATION

**TR-75R:** Intelligent Fire Alarm Control Panel. Red Cabinet.

**TR-75B:** Intelligent Fire Alarm Control Panel Black Cabinet.

## SBUS ACCESSORIES

**TR-RD2R, TR-RD2G, TR-RD1R, TR-RD1G :**

Remote annunciators

**TR-6815:** Signal Line Circuit (SLC) Expander

**TR-RPSI:** Power Supply

**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

**HFSS:** Software Suite. Provides programming, upload/download and event reporting

**RBB:** Remote Battery Box Cabinet. Use for backup batteries up to 35 AH. Dimensions: 16"W x 10"H x 6"D

**TR-NIC:** Network Interface Card

**TR-FML:** Multi Mode Fiber Card

**TR-FSL:** Single Mode Fiber Card

For a complete listing of all compliance approvals and certifications, please visit [www.trigaglobal.com](http://www.trigaglobal.com).

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.

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