Electrical Signaling

Electrical protective signaling systems are configurations of components used to produce alarm signals indicative of fire, smoke, sprinkler waterflow or other emergency and to produce supervisory signals indicative of conditions needing attention with respect to protection equipment or watch service. System configurations are classified according to where and how the signals are received. The categories are commonly designated as local, municipal, remote station, proprietary, emergency voice/alarm communication, emergency communication, and central station. Auxiliary systems are either local or proprietary systems interconnected with a municipal system.

This category presents the major system component categories and the integrated system configurations. The selection of components to form a hybrid system should be made only by those skilled in system design. Also, the suitability of any system application should be judged on the basis of the hazard(s) being protected.

Automatic Releases for Extinguishing Systems and Other Fire Protection Equipment

The function of a release system is to cause, mechanically or electrically, a desired operation to be performed in case of fire. The releases listed are actuated automatically by FM Approved fire detection devices. If electrically operated for extinguishing system release, provision for at least 24 hours of standby power is required and means for manual operation should also be provided.

FM Approved releases are also used to operate fire protection equipment such as fire doors, ventilation and blower systems, hatches, dip tank covers and drain valves, motor stops, dampers and valves controlling hazardous liquids

See AUTOMATIC RELEASES FOR PREACTION AND DELUGE SPRINKLER SYSTEMS.

TR-2100R and TR-2100B (Black), Analog Addressable Fire System

FM Project ID PR460065

The TR-2100 Series Fire Alarm Control/Communicator is an analog addressable fire control system with software revision 1.00.

Models	Description
TR-2100R	Fire alarm Control, 240VAC input power, 2.5A AC; 9A DC output power
TR-2100B (Black)	Fire alarm Control, 240VAC input power, 2.5A AC; 9A DC output power

Basic System Components and Modules are:

Model	Decription	FM Reference #
Optional SLC loop expander, model TR-6815- SBUS module	Additional TR-6815 SLC expanders support 159 TRIGA sensors and 159 TRIGA modules for a maximum of 2100 points per TR-2100 control panel. TR-6815 supports devices TRIGA	PR460065
TR-5824 Serial/Parallel Printer Interface Module- SBUS module	Allows a printer to be attached for the on-site event logging. Maximum of four TR-5824s per control panel.	PR460065
TR-RD2R LCD Alarm Annunciator- SBUS module	4x40 LCD annunciator. Same operation, similar appearance as on-board annunciator. Any combination of supported annunciators for a max of 63. 25ma Standby 50ma Alarm	PR460065
TR-RD2G LCD Alarm Annunciator- SBUS module (Gray)	4x40 LCD annunciator. Same operation, similar appearance as on-board annunciator. Any combination of supported annunciators for a max of 63. 25ma Standby 50ma Alarm	PR460065
TR-RD1G LCD Alarm	4x20 LCD annunciator. Any combination of supported annunciators for a max of 31	PR460065
TR-RD1R LCD Alarm (Red)	4x20 LCD annunciator. Any combination of supported annunciators for a max of 31	PR460065

TR-5865-3 and TR-5865-4 LED Annunciator- SBUS module	LED annunciator can display up to 30 LEDs (15 red and 15 yellow). TR-5865-4 has key switches for silence and reset, and a system trouble LED. 35ma Standby 145ma Alarm	PR460065
TR-5880 LED I/O Module- SBUS module	Driver for up to 40 LEDs. Interfaces with customized annunciator boards. 35m Standby 200ma Alarm In addition, the TR-5880 has eight generic switch input points.	PR460065
TR-5883 General Purpose Relay Module	Provides 10 Form C relays. Designed to be driven by the TR-5880. Up to four, TR-5883s can be used with each TR-5880 module. 0ma Standby 200ma Alarm	PR460065

Compatible TRIGA SLC Devices

Models	Description	FM Reference #
TR-NIC	Intelligent Network Interface Card- SBUS module	PR460065
TR-FSL	Single-Mode Fiber Module	PR460065
TR-FML	Multi-Mode Fiber Module	PR460065

Company Name:	TRIGA Life Safety Systems LLC
Company Address:	7600 Olde Eight Rd, Hudson, Ohio 44326, USA
Company Website:	Not Available
New/Updated Product Listing:	Yes
Listing Country:	United States of America
Certification Type:	FM Approved