SIEMENS

Data Sheet
Fire Safety & Security Products

Intelligent Detection Devices

TRI Series — Intelligent Initiating Interface Modules

[For use with FireFinder® XLS and MXL Panels]

Models TRI-D, TRI-R and TRI-S

ARCHITECT AND ENGINEER SPECIFICATIONS

- Used as an intelligent initiating interface module for the FireFinder XLS and MXL fire-alarm control panels (FACPs)
- Interfaces and supervises normally open (N.O) contacts
  - Integral single-pole, double-throw (SPDT) relay (up to 4 amps), Model TRI-R
  - Dual input for Model TRI-D
- Multi-color light-emitting diode (LED) indicates detector status (green, amber, red)
- Simple front-end access to programming port and wiring terminals
- Mounts in a 4"-square, 2-1/8"-deep standard or double-gang box
- Dynamic supervision
- 5-x-5-inch faceplate included
- Two-wire operation
- Compatible with Model DPU or FPI-32 field programmer / tester
- Electronic-address programming is simple and dependable
- ®UL Listed, ®ULC Listed;
  CSFM and NYC Fire Department Approved

Product Overview

The Model TRI-series of intelligent interface modules from Siemens — Fire Safety is designed to provide the means of interfacing direct shorting devices to Model MLC for the FireFinder XLS FACP, or to Model ALD for the MXL system, respectively.

The Model TRI-series of intelligent interface modules provides the most advanced method of address programming and supervision — combined with sophisticated FACP communication. Each Model TRI-series interface module incorporates a microcomputer chip. In turn, the microcomputer-chip technology and its sophisticated bi-directional communication capabilities with the FACP, achieve the state of an 'Intelligent Device.'

Specifications

The Model TRI-series of intelligent interface modules is available in three (3) models. Models TRI-S and TRI-R are designed to monitor a normally open (N.O.) dry contact. The interface module reports the contact's status to the FACP.

The sole purpose of Model TRI-S is to monitor and report the status of the contact, while Model TRI-R incorporates an addressable 'Form C' relay. The relay and contact device input for Model TRI-R are controlled at the same address. The relay and input contact can be controlled as a separate function. The relay is typically used where control or shunting of external equipment is required.

Model TRI-D is a dual-input module that is designed to supervise and monitor two (2) sets of dry contacts. Model TRI-D requires two (2) address settings. Model TRI-D is ideal for monitoring a waterflow switch and its respective valve tamper switch.

Model TRI-series has a multi-color LED that flashes green when operating normally; amber, if unit is in *trouble* condition, and red to indicate a change of status command. Model TRI-D flashes two (2) times — once for each address, and the red LED of Model TRI-R indicates a change of state in the relay.

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Specifications – (continued)

The microcomputer chip for the Model TRI-series of devices has the capacity of storing – in memory – identification information as well as important operating status information.

Siemens – Fire Safety innovative technology allows all Model TRI-series intelligent interface modules to be programmed and tested, via Model DPU or the FPI-32 Programmer / Tester. Each of these programmer / testers is a compact, portable and menu-driven accessory that makes programming and testing an interface device faster, easier and more dependable than previous methods.

Model DPU or the FPI-32 eliminates the need for mechanical addressing mechanisms (such as: program jumpers, DIP switches, or rotary dials), since either programmer / tester device electronically sets the address of the Model TRI-series into the interface's microcomputer-chip, non-volatile memory. Vibration, corrosion and other conditions that deteriorate mechanical addressing mechanisms are no longer a cause for concern.

The Model TRI-series of intelligent interface modules is fitted with screw terminals for connection to an addressable circuit, and is fully compatible on the same circuit with all intelligent Model FP; Model IL and Model ID-60-series detectors; Model MSI Series addressable manual stations, or any other addressable intelligent modules, such as Model CZM or Model ICP.

All Model TRI-series intelligent interface modules are ®UL and ®ULC Listed.

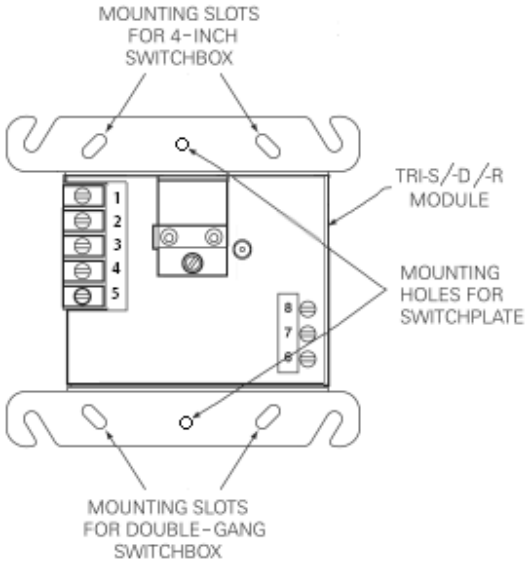
Electrical Ratings

Current Draw: [Active or Standby]	1.5mA

Model TRI-R Relay Ratings:

Resistive:	4A, 125VAC 4A, 30VDC
Inductive:	3.5A, 120VAC [0.6 P.F] 3.0A, 30VDC [0.6 P.F] 2.0A, 120VAC [0.4 P.F] 2.0A, 120VAC [0.35 P.F] 2.0A, 120VAC [0.35 P.F]

Mounting Diagram



Details for Ordering

Model Number	Part Number	Description	Shipping Weight	
			Oz.	Kg.
TRI-D	500-896226	Dual-Input Intelligent Interface Module	7	0.2
TRI-R	500-896224	Single-Input [w/ relay] Intelligent Interface Module	7	0.2
TRI-S	500-896225	Single-Input Intelligent Interface Module	7	0.2

Notice: This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.

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