SIEMENS

Data Sheet
Fire Safety & Security Products

HTRI-Series Interface Modules

Models HTRI-D, HTRI-R and HTRI-S

ARCHITECT AND ENGINEER SPECIFICATIONS

- Interfacing and supervising normally open (N.O) or normally closed (N.C) contacts
- Integral single-pole, double-throw (SPDT) relay on Model HTRI-R (up to 4 amps)
- Dual input on Model HTRI-D, using a single address
- Polarity insensitive with *SureWire*™ technology
- Multi-color light-emitting diode (LED) indicates system status:
  - green / amber / red
- Easy front access to programming port and wiring terminals
- Mounts in a 4-inch square, 2-¼"-deep box (or double-gang box)
- Dynamic supervision
- Comes with 5-x-5" faceplate
- Two-wire operation
- Device Programmer / Tester programs and verifies address of the device and tests for proper functionality
- Electronic address programming is easy and dependable
- ®UL Listed & ULC Listed; FM, CSFM and NYC Fire Department Approved

Product Overview

The Siemens — Fire Safety HTRI-series Intelligent interface modules are designed to provide the means of interfacing direct shorting devices to the fire-alarm control panel (FACP) loop circuit.

The HTRI-series modules provide the most advanced method of address programming and supervision on the market — combined with sophisticated control panel communication. Each HTRI-series interface module incorporates a microcomputer chip, and each interface module achieves the state of an 'intelligent device' through its microcomputer chip technology, combined with its sophisticated, bi-directional communication capabilities with the FACP.

Specifications

The HTRI-series intelligent interface modules are available in three (3) models. Models HTRI-S and HTRI-R are designed to monitor a (N.O) or (N.C) dry contact.

The interface module reports the status of the (N.O) or (N.C) contact to the control panel. Model HTRI-S can only monitor and report the status of the contact, while Model HTRI-R incorporates an addressable 'Form C' relay.

The Model HTRI-R relay and contact device input are controlled at the same address. For the FACP, 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.

The Model HTRI-D is a dual-input module that is designed to supervise and monitor two (2) sets of dry contacts. Model HTRI-D only requires one (1) address, but responds independently to each input. Model HTRI-D is ideal for monitoring a water-flow switch and its respective valve tamper switch.

Model HTRI has a multi-color LED that flashes green when operating in Normal; 'amber' if unit is in *Trouble* condition, and 'red' to indicate a change of state.

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Specifications (continued)

Model HTRI-D flashes twice — once for each address, and Model HTRI-R LED indicates a change of state in the relay. The device's microcomputer chip has the capacity of storing, in memory, identification information; as well as important operating-status information.

Siemens — Fire Safety innovative technology allows all HTRI-series intelligent interface modules to be programmed via the Device Programming / Test Unit: a compact, portable and menu-driven accessory that makes programming and testing an interface device faster, easier and more dependable than previous methods.

The programmer / tester eliminates the need for mechanical addressing mechanisms, such as: program jumpers, DIP switches or rotary dials, since Model DPU electronically sets the HTRI-series interface address into the non-volatile memory of the interface microcomputer-chip.

Vibration, corrosion and other conditions that deteriorate mechanical addressing mechanisms are no longer a cause for concern.

The HTRI-series is fitted with screw terminals for connection to an addressable circuit, and is fully compatible on the same Siemens FACPs with all intelligent 'H'-series detectors, 'HMS'-series addressable manual stations, or any other addressable intelligent modules, such as Model HZM or Model HCP.

All HTRI-series intelligent interface modules are ®UL Listed. Environmental operating conditions for all HTRI-series modules are 32°F (°C) to 120°F (49°C) with a relative humidity of no greater than 93%, non-condensing.

Electrical Ratings

Current Draw
(Active or Standby) 1mA

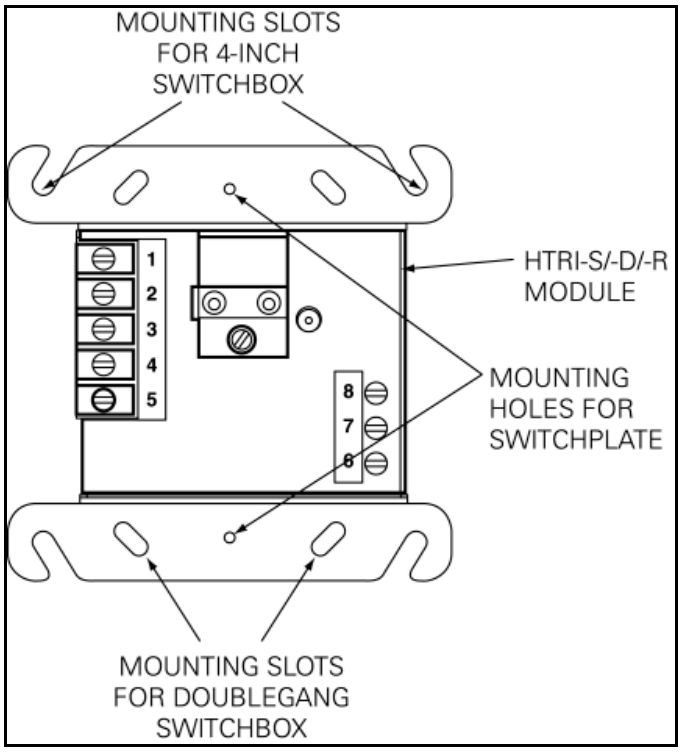
Model HTRI-R Relay Ratings

Resistive: 4 Amps, 125 VAC
4 Amps, 30 VDC

Inductive: 3.5A, 120 VAC (0.6P.F.)
3.0A, 30 VDC (0.6P.F.)
2.0A, 120 VAC (0.4P.F.)
2.0A, 120 VAC (0.35P.F.)
2.0A, 30 VDC (0.35P.F.)

Mounting Diagram

Models HTRI-S, HTRI-D and HTRI-R mount directly into a 4-inch square, 2 ¼-deep box or to a user-supplied double-gang box. A 5-inch square, off-white faceplate is included with each HTRI-series module.



Details for Ordering

Model Number	Part Number	Description	Shipping Wgt. Lb.	Kg.
HTRI-S	500-033370	Single Input	7 oz.	2
HTRI-R	500-033300	Single Input w/Relay	7 oz.	2
HTRI-D	500-033360	Dual Input	7 oz.	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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