

TRM Sensors LLC Data Sheet

TRM-Easy5-Relay-U

Leak Detection Monitor Relay

Product Description

TRM Easy5 Relay is a micro-PLC that has been programmed to monitor various types of TRM sensor probes.

The relay is manufactured by Eaton Corporation and programmed by TRM Sensors LLC. There are 8 digital inputs, 4 of which can be programmed as 0-10V analog inputs. There are 4 output relays (8A single pole, single throw, normally open) that can be programmatically assigned to provide signals to external BMS panels or similar site level alarm systems.

The TRM Easy5 Relay is manufactured to global standards for industrial control devices and is agency approved by UL to Canadian and US standards. The relay is CE marked and has maritime agency approvals as well. When programmed for use as a TRM-Easy5-Relay-U operates on either 12 Vdc or 24 Vdc.

By default the TRM Easy5 Relay is supplied ready for monitoring up to 20 TRM-DFS-3 indoor fuel sensors in two loops of 10. Simple jumper connection allows the installer to activate other operating modes including 10 x DFS-3 plus 10 X WLS; WLS only; 2 x TRM-CC, or 4 x UST. A version for 3 x TRM-IOS is also available. . The TRM Easy5 Relay is very flexible and can be programmed to provide special functions beyond its default monitoring modes. Examples include combination hydraulic oil / water monitoring for elevator pits, direct control of pumps and detection based on rate of change. Contact the factory for special requirements.

The TRM Easy5 relay is a replacement for the older TRM Relay Unit Type-CV and TRM Relay Unit Type-DA and is recommended for new installations.

The TRM-Easy5-Relay-U is also available in a UL508A panel ready for indoor installation.

Key Features

- DIN Rail module
- cULus approved, CE marked
- Monitor up to 20 TRM-DFS-3 indoor diesel fuel and other combinations of TRM probes
- Operates on either 12 Vdc or 24 Vdc
- 8 digital inputs, 4 Form-A normally open output relays



Product Specifications

- Power Source: 12 Vdc or 24 Vdc
- IP20 DIN rail module
- 8 digital inputs; 4 can be configured as 0-10 Vdc analog inputs
- 4 SPST (Form-A) output relays, normally open rated for 250V / 8A
- Dimensions: W 2.81" H 4.33" D 2.28"
- Weight: 7 oz. (0.2 kg)
- User selectable (via eternal jumpers) operating modes
- Operating Temperature: -13°F to 131°F (-25°C to +55°C) (-40°C to + 70°C storage)
- Relative Humidity 5% to 95%, non-condensing
- Approvals: cUL us, DNV, CE marked
- Full technical specifications are available at www.trmsensors.com/documents

TRM Sensors LLC TRM-Easy5-Relay-U

Mounting / Power / Signal Connections

Mounting:

DIN rail mount on 35 mm standard DIN rail. 3" of rail space required.

Field Wiring Connection

SEE WIRING DIAGRAM SUPPLIMENT

TRM-Easy5 Relay is also available in a UL508A Certified panel with power supply, fused disconnect and all internal wiring.
TRM-Easy5 Panel is a 12" x 12" x 6" NEMA 1 Panel for indoor locations.