

# TRM Sensors LLC Data Sheet

## TRM Easy5 Relay

### Leak Detection Monitor Relay

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## Product Description

**TRM Easy5 Relay** is a micro-PLC that has been programmed to monitor up to 20 TRM-DFS-3 indoor fuel sensors in two loops of up to 10 probes, or one TRM-CC sump/containment probe.

The relay is manufactured by Eaton Corporation and programmed by TRM Sensors LLC. There are 8 digital inputs, 2 of which can be programmed as 0-10V analog inputs. There are 4 output relays (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 has multiple global safety approvals including UL, CSA for ordinary area and CSA for CID2 areas. The relay is CE marked and has various maritime agency approvals as well.

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. A simple jumper connection allows the installer to switch to the TRM-CC sump monitoring mode. The TRM Easy5 Relay is very flexible and can be programmed to provide special functions beyond its default monitoring modes. Examples include the requirement that two probes make a simultaneous detection within a defined time window, direct control of pumps and detection based on rate of change.

The TRM Easy5 relay is a replacement for the older TRM Relay Unit Type-CV and TRM Relay Unit Type-DA for new installations of TRM-DDS-3 or TRM-CC respectively.

The TRM Easy 5 is also available in a UL508A panel ready for indoor installation.

## Key Features

- DIN Rail module
- UL, CSA approved. CE marked
- Monitor up to 20 TRM-DFS-3 indoor diesel fuel sensors in two loops of 10 or 1 TRM-CC
- 12 Vdc or 24 Vdc power options
- 8 digital inputs, 4 Form-A normally open output relays
- Customized software available



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## Product Specifications

- Power Source: 12 Vdc (24 Vdc optional)
- IP20 DIN rail module
- 8 digital inputs; 2 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 mode: TRM-DFS-3 or TRM-CC
- 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: UL, CSA ordinary, CSA CID2, CE,, BV, DNV, GL, LR
- Full technical specifications are available at [www.trmsensors.com/documents](http://www.trmsensors.com/documents)

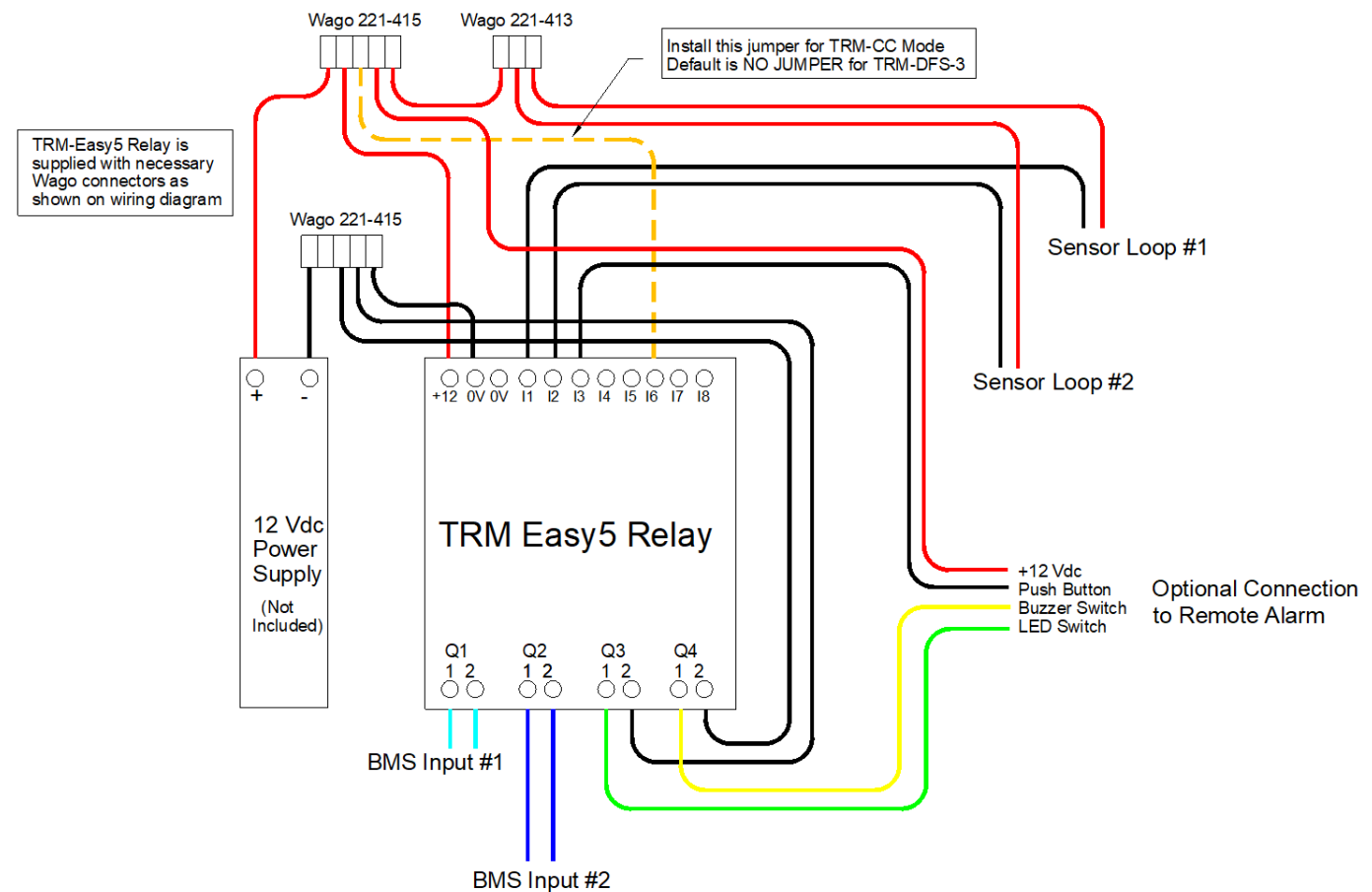
# TRM Sensors LLC TRM Easy5 Relay

## Mounting / Power / Signal Connections

### Mounting:

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

### Field Wiring Connections:



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 4" NEMA 1 Panel for indoor locations.

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