

# TTSIM-1A Sensor Interface Module



nVent RAYCHEM TraceTek TTSIM-1A is a sensor interface module with capacity to monitor up to 150 m (500 ft) of sensor cable. Leak alarm signaling is via LED, dry contact relay, and serial data to a PLC or host system using standard protocols. It can be used as a stand-alone leak detection alarm unit, or in networks with TTSIM, TT-NRM, TTDM-128, or TT-TS12 modules. Available in 24, 120 or 230 Vac 50/60 Hz or 12 or 24 Vdc.

## FEATURES

Easy to install (DIN rail mounted), simple to set up and operate

Enclosures available for stand-alone indoor or outdoor installations

LEDs indicate power, leak, cable trouble and communication status

Volt-free contacts for alarm signaling

Simple twisted pair serial RS-485 communications up to 1200m (4000ft) with automatic protocol selection (MODBUS, Opto 22 and Metasys)

## SPECIFICATIONS

|                               |              |
|-------------------------------|--------------|
| <b>Depth:</b>                 | 58 mm        |
| <b>Width:</b>                 | 70 mm        |
| <b>Height:</b>                | 86 mm        |
| <b>Operating Temperature:</b> | 0 – 50 °C    |
| <b>Relay Contacts:</b>        | SPDT, Form C |

Table 1/1

| Catalog Number | Item Name      | Supply Voltage | Supply Voltage Type |
|----------------|----------------|----------------|---------------------|
| P000000906     | TTSIM-1A-24VDC | 24 V           | DC                  |
| P000000047     | TTSIM-1A-120   | 120 V          | AC                  |
| P000000899     | TTSIM-1A-12VDC | 12 V           | DC                  |

| Catalog Number | Item Name    | Supply Voltage | Supply Voltage Type |
|----------------|--------------|----------------|---------------------|
| P000000046     | TTSIM-1A     | 24 V           | AC                  |
| P000000048     | TTSIM-1A-230 | 230 V          | AC                  |

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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