

# TTSIM-2 Sensor Interface Module



nVent RAYCHEM TraceTek TTSIM-2 is a sensor interface module with capacity to monitor up to 150m (500ft) of sensor cable. Leak alarm signaling is via 3-digit leak location on built-in LCD display, 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 other 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

Leak location display on LCD

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>Display:</b>	LCD
<b>Relay Contacts:</b>	SPDT, Form C

Table 1/1

Catalog Number	Item Name	Supply Voltage	Supply Voltage Type
P000000137	TTSIM-2	24 V	AC
P000000138	TTSIM-2-120	120 V	AC

Catalog Number	Item Name	Supply Voltage	Supply Voltage Type
P000000139	TTSIM-2-230	230 V	AC
P000000900	TTSIM-2-12VDC	12 V	DC
P000000907	TTSIM-2-24VDC	24 V	DC

## 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.

### North America

Tel +1.800.545.6258  
 Fax +1.800.527.5703  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

### Europe, Middle East, Africa

Tel +32.16.213.511  
 Fax +32.16.213.604  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

### Asia Pacific

Tel +86.21.2412.1688  
 Fax +86.21.5426.3167  
[cn.thermal.info@nvent.com](mailto:cn.thermal.info@nvent.com)

### Latin America

Tel +1.713.868.4800  
 Fax +1.713.868.2333  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

Our powerful portfolio of brands:

**RAYCHEM PYROTENAX TRACER NUHEAT**