

# TTA-SIM-1A Alarm Module

nVent RAYCHEM TraceTek TTA-SIM-1A is a primary sensor interface module with capacity to monitor up to 150 m / 500 ft of sensor cable. It can be used as a stand-alone leak detection alarm unit, or in networks with other nVent RAYCHEM TraceTek TTSIM, TT-NRM or TTDM-128 modules. Output is via relay contacts and serial data.

## FEATURES

Easy set up, rugged polycarbonate enclosure

Simple operation: LEDs to indicate power, leak, cable trouble, and communication status; 60 dB audible alarm with silence button; volt-free contacts for alarm signaling; relay software selectable for normally energized or normally de-energized operation

Flexible interface options: simple twisted pair serial RS-485 communications up to 1200 m / 4000 ft with automatic protocol selection (MODBUS, Opto 22 and Metasys)

## SPECIFICATIONS

<b>NEMA Rating:</b>	1 Indoor, electrical protection
<b>Depth:</b>	100 mm
<b>Height:</b>	120 mm
<b>Max Length of Sensing Cable metric:</b>	150 m
<b>Width:</b>	240 mm
<b>Operating Temperature:</b>	0 – 50 °C
<b>IP Rating:</b>	IP20
<b>Relay Contacts:</b>	SPDT, Form C

Table 1/1

Catalog Number	Item Name	Supply Voltage
P000000153	TTA-SIM-1A-120	96 – 132 V
P000000154	TTA-SIM-1A-230	216 – 253 V

## 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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