
Specifications

Electrical

- Power input - Regulated 12 - 24 VDC (+10% / -15%) @ 0.8 Watt Standby, 1.1 Watt Alarm
- On board surge and EMI protection devices

Inputs

- One initiating device circuit capable of monitoring up to 4000 Feet (1220 meters) of Protectowire Type CTI Linear Heat Detector. For all CTI type detectors, twisted "T" type thermocouple extension grade wire is required for use as interconnecting cable on the detection circuit. Minimum conductor size is 20 AWG (0.812mm) or as required by local code.

Environmental

- Ambient temperature range:
UL Listed: -40° to 120°F (-29° to 49°C)
FM Approved: -40° to 140°F (-29° to 60°C)
- Humidity Maximum 95% non-condensing

Indicators

- One (1) green "Power" LED indicator
- One (1) red "Alarm" LED indicator
- One (1) yellow "Short" LED indicator
- One (1) yellow "Fault" LED indicator

Note: All specifications subject to change without notice.

Relay outputs (Rated 1 amp @ 24VDC Resistive)

- One (1) set of Form C (SPDT) Alarm contacts
- One (1) set of Form C (SPDT) Short contacts
- One (1) set of Form C (SPDT) Fault contacts

Module dimensions

- 2.75"W x 3.75"H x 1.25"D (69.85mm x 95.25mm x 31.75mm) - Depth accounts for included mounting track.

Optional Enclosure Specifications

- 4.72"W x 4.72"H x 2.38"D (120mm x 120mm x 60.5mm)
- Clear full view cover
- * NEMA 4X Rated (UL Listed Only)
(Closest IEC equivalent - IP66)

** Additional enclosures and sizes available. Consult Factory.*

Modbus over RS-485 Description

The CTM-230 interface module provides integrated Modbus over RS-485 communications. Each module can be configured as a Modbus slave device on an RS-485 network. Once configured to communicate on a network, each module can be poled by a master device for a variety of module specific data. A master device, such as a PLC (Programmable Logic Controller) can monitor the status of one or more modules and take actions based on their status. Modbus over RS-485 communication is a convenient method for utilizing detector status information to implement equipment shutdown or other automation events.

Ordering Information

Model No.	Description
CTM-230	Interface Module for Protectowire Type CTI Linear Heat Detector
CTM-230E	Interface Module for Protectowire Type CTI Linear Heat Detector in a NEMA-4x (IP66) Enclosure.