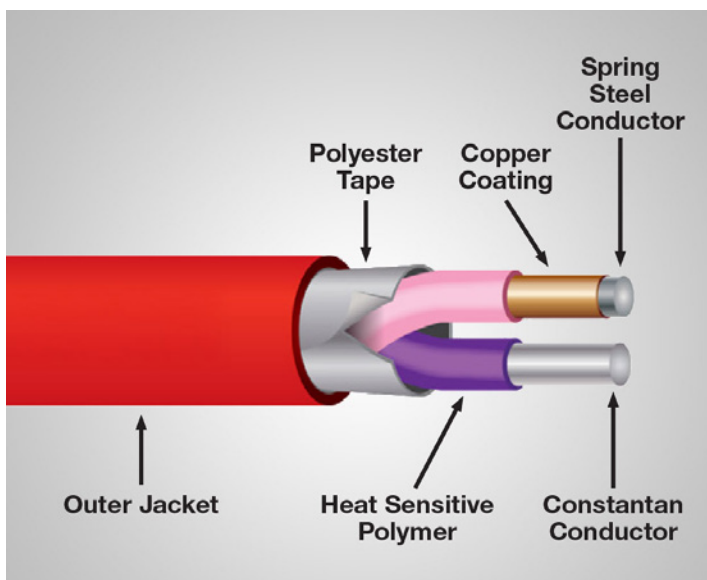


The Troman family of **Confirmed Temperature Initiation** and **Linear Thermal Detectors** are advanced multi-sensor detectors consisting of models with alarm temperatures ranging from 135°F (57°C) to 356°F (180°C). Each detector is comprised of two special metallic alloy conductors individually insulated with a heat-sensitive polymer. The insulated conductors are twisted together to impose a spring pressure between them, then wrapped with a protective tape and finished with a durable flame-retardant outer jacket.

Troman Multi-Sensors Offer Digital Temperature Confirmation

The detectors are fixed temperature digital sensors that are capable of initiating an alarm signal. Once exposed to the rated temperature, the heat-sensitive polymer yields to the inherent spring tension, allowing the conductors to move into contact with each other, thereby creating a short circuit temperature measuring junction point. A CTM Module is required to supervise all CTI Linear Heat Detectors. The CTM interface module is designed to detect a short circuit and enter a heat-measuring thermocouple mode.

The Troman advanced multi-sensor detectors are the first digital-type linear heat detectors to provide true confirmed temperature initiation and mechanical short circuit discrimination. They provide reliable temperature response with verified alarm temperature confirmation for exceptional false alarm immunity.



Features & Benefits

- ▶ Operates digitally with short circuit discrimination, capable of distinguishing between short circuit and alarm conditions.
- ▶ Consists of multi-sensor heat detection technology.
- ▶ Includes confirmed temperature initiation for highest immunity to false alarms.
- ▶ It is compatible with the Troman Alarm Point Location Meter.
- ▶ Approved for hazardous locations when used with the required equipment.
- ▶ Available in six alarm temperatures to accommodate a wide range of applications.

Features

- ▶ Uses advanced multi-sensor detection for highest immunity to false alarms.
- ▶ Measures and confirms the temperature at the alarm point to provide true Confirmed Temperature Initiation (CTI).
- ▶ Includes reliable digital operation with separate short circuit fault identification.
- ▶ Distinguishes between short circuits and true alarm conditions.
- ▶ Identifies and displays the location of an overheat or fire condition anywhere along its length when used with a Troman Alarm Point Location Meter.
- ▶ Meets intrinsically safe standards and is FM Approved for Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G when used with required equipment.
- ▶ It is manufactured under U.S. Patent 8,096,708 and has patents in many countries around the world.

Specifications

- ▶ Operating voltage: 9–32V
- ▶ Current draw: 5 mA Nominal at 24V, 15 mA alarm
- ▶ Temperature range: -40°C to 125°C / -40°F to 257°F
- ▶ Enclosure: NEMA 4X rated with environmentally sealed weatherpack connectors