

Tough and Reliable
with Great Looks
at a Low Cost

4-Wire Heat Detector with Relay Output

● Model: WT145

Compatible with all security alarm system

Dual LEDs

Two LEDs blink standby, provide 360° visibility

High Precision Electronic Thermistor

Engineered to sense temperature quick and accurate

Relay Contact Output

Alarm relay contact output can be adjusted(default setting is NO)

Unpolarized wire and wide voltage input

To prevent the likelihood of wiring errors



General Description

The device is intelligent sensors that utilize a state-of-the-art thermistor sensing circuit for fast response. These sensors are designed to provide open area protection with 50 foot spacing capability. The device is a rate-of-rise temperature sensor with 135°F fixed temperature alarm.

The device is a rate-of-rise with fixed temperature alarm thermal detector utilizing a state-of-the-art dual thermistor sensing circuit. These detectors are designed to provide open area protection with 50-foot spacing capability, and are to be used with compatible control panels only.

Two LEDs on each detector light to provide 360° visibility of the detector indication.

Features and Benefits

- Compatible with all the security alarm system
- Alarm Relay Output(NO/NC can be adjustable)
- Unpolarized wire input
- Wide range of operating voltages(9V~28VDC)
- High precision electronic thermistor
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant Screening
- Twist-on mounting base with tamper lock

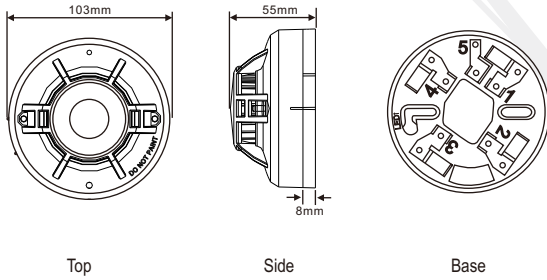


4-Wire Heat Detector with Relay Output

Installation Guidelines

All wiring must be installed in compliance with the National Electrical Code, applicable state and local codes, and any special requirements of the local Authority Having Jurisdiction.

Figure 1. Dimension of detector:



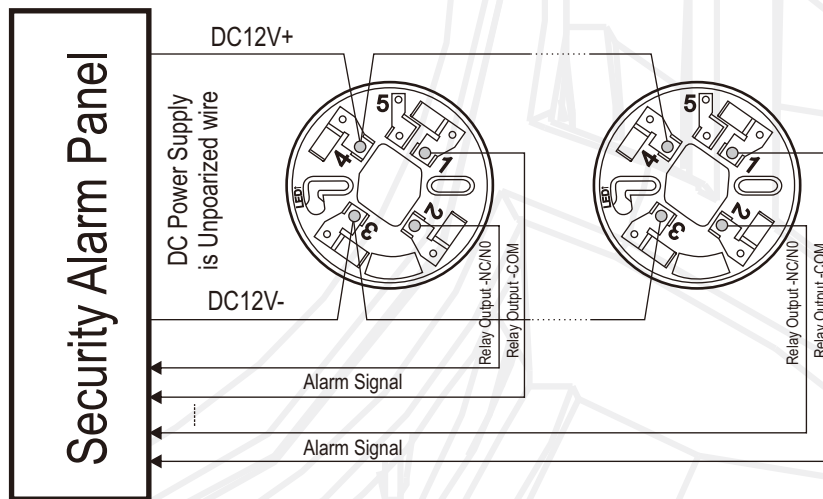
Technical Specifications

Diameter: 103mm
 Height (including mounting base): 55 mm
 Weight: 155 g
 Operating Temperature Range: -10°C to 50°C
 Operating Humidity Range: 10% to 93% Relative Humidity, Noncondensing
 Latching Alarm: Reset by momentary power interruption

Electrical Ratings

Power Supply Voltage: 12 VDC (9V~ 28VDC)
 Standby Current: 200 µA @ 12VDC
 Alarm Current: 45 mA @ 12VDC
 Alarm Relay Contacts Rating: 2A@24VDC
 Temperature Alarm Sensitivity: 57°C (135°F) A1R

Figure 2. Wiring diagram for the detector:



Ordering Information

Part Number	Pack Quantity	Dimensions (w x d x h millimetres)	Weight
WT145	Individual (1 units)	103x103x55	155g

Distributed by: