Conventional Heat Detector

⬤ Model：WT105

Compatible with all conventional Fire alarm control panel

Dual LEDs
Two LEDs blink standby，provide 360° visibility

High Precision Electronic Thermistor
Engineered to sense temperature quick and accurate

Unpolarized wire 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 conventional fire alarm control panel
- Unpolarized wire input
- Wide range of operating voltages
- 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
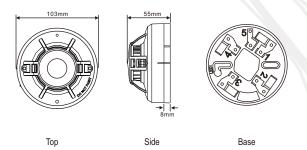- Remote Indicator LED can be connected.

CE RoHS

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:

Top	Side	Base

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
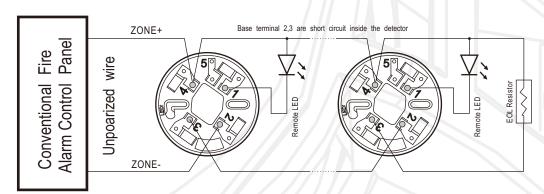
Electrical Ratings

System Voltage (nominal): 24 VDC (9V~ 28VDC)

Standby Current: 40 µA @ 24VDC

Alarm Current: 30 mA @ 24VDC

Fixed Temperature Rating: 57°C (135°F)

Rate of Rise Detection: Responds to greater than 15°F/min

Figure 2. Wiring diagram for the detector:

Ordering Information

Part Number	Pack Quantity	Dimensions (w x d x h millimetres)	Weight
WT105	Individual（1 units)	103x103x55	155g

Distributed by: