

Tough and Reliable
with Great Looks
at a Low Cost

4-Wire Smoke & Heat Detector with Relay Output

● Model: FT143

Compatible with all security alarm system

Dual LEDs

Two LEDs blink standby, provide 360° visibility

Unique optical sensing chamber

Engineered to sense smoke by a wide range of combustion sources.

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 detector is a combined smoke and heat detector with photoelectronic sensor and heat thermistor together. This detector is designed to provide open area protection and to be used with most security alarm control panel.

Two LEDs on each detector provide local 360° visible alarm indication. They flash every six seconds indicating that power is applied and the detector is working properly. The LEDs latch on in alarm. The detector can be reset only by a momentary power interruption.

The detector that initiated the alarm condition will have its red LED and relays latched until reset by panel. The detector combine a photo electronic sensing chamber and a temperature heat detector.

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)
- Unique optical sensing chamber
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant Screening
- Twist-on mounting base with tamper lock
- Drift compensation and smoothing algorithms

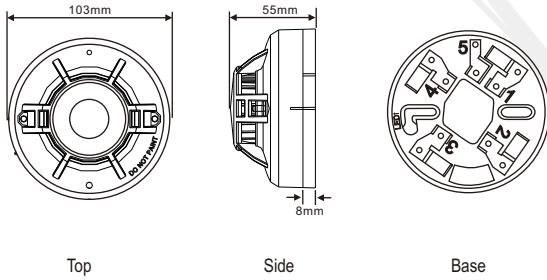


4-Wire Smoke & Heat Detector with Relay Output

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:



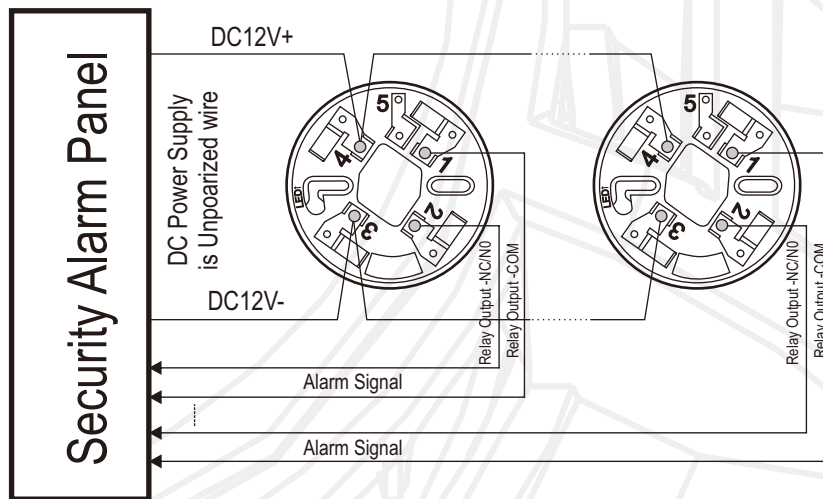
Technical Specifications

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
 Smoke Alarm Sensitivity: 1.06±.26%FT
 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
FT143	Individual (1 units)	103x103x55	155g

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