



4-Wire Smoke Detector with Relay Output

● Model: LK-YT142

Compatible with all security alarm systems

Dual LEDs

Two LEDs blink standby, provide 360° visibility

Unique optical sensing chamber

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

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 detectors are photo-electronic detector using a state-of-the-art optical sensing chamber. This detector is designed to provide open area protection and to be used with most security alarm control panels.

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.

Features and Benefits

- Compatible with all the security alarm systems
- Alarm Relay Output(NO/NC can be adjustable)
- Unpolarized wire input
- Wide range of operating voltage (9V~28VDC)
- Unique optical sensing chamber
- Builtin 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

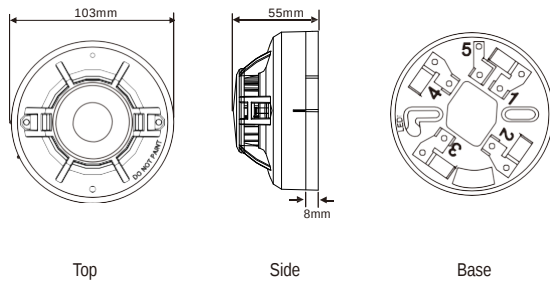


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Installation Guidelines

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)

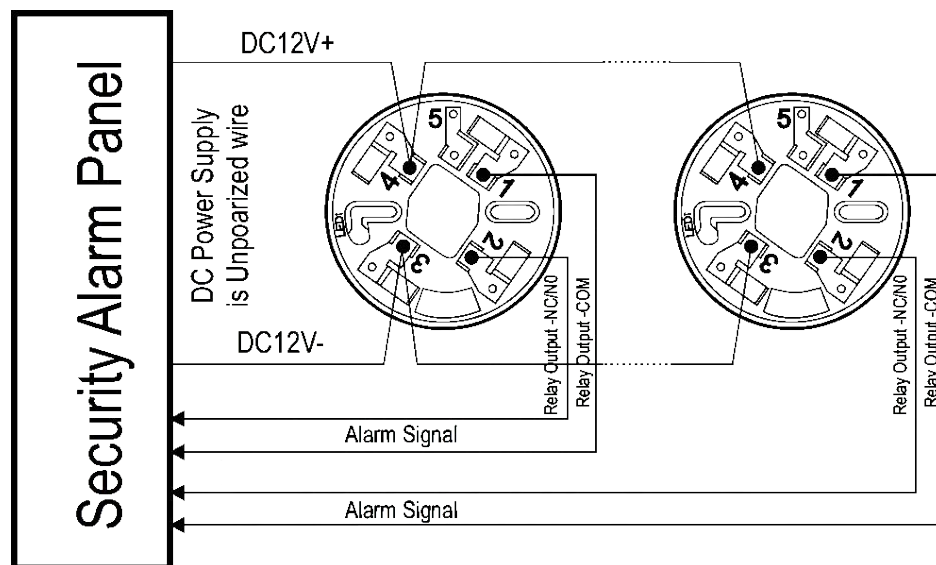
Standby Current: 200 μ A @ 12VDC

Alarm Current: 45 mA @ 12VDC

Alarm Relay Contacts Rating: 2A@24VDC

Smoke Alarm Sensitivity: 1.06 $\pm$.26%FT

Figure 2. Wiring diagram of the detector



Ordering Information

Model	Pack Quantity	Dimensions	Weight
LK-YT142	Individual(1 units)	103x103x55	155g