

EN54 Conventional 2 Wire Smoke Detector For Fire Securty Fire Alarm System

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: XHA
- Certification: CE
- Model Number: YT102
- Minimum Order Quantity: 1
- Price: negotiable
- Packaging Details: 100pcs/carton
- Delivery Time: 3 Working days
- Payment Terms: T/T, Western Union
- Supply Ability: 10000PCS/Month



Product Specification

- Product Type: Smoke Alarm
- Certificaion: EN54
- Apaitplicon: Fire Securty System
- Adjustable Sensitivity: $1.06 \pm .26\%FT$
- Wired: 2 Wire
- Sound Level: $\geq 90dB$
- Specification: D103mm, H55mm
- Highlight: **EN54 2 Wire Smoke Detector, Conventional 2 Wire Smoke Detector, EN54 Two Wire Smoke Detector**



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Product Description

EN54 Conventional 2 Wire Smoke Detector For Fire Security Fire Alarm System



EN54 2 Wire Smoke Alarms are designed to be used as part of a conventional fire alarm system. They are compliant with the EN54 standard, which is the European standard for fire detection and fire alarm systems. The key features of EN54 2 Wire Smoke Alarms include:

2-Wire Connection: These smoke alarms connect to the fire alarm control panel using only 2 wires, simplifying installation compared to 4-wire devices.

Compatibility: EN54 2 Wire Smoke Alarms are compatible with conventional fire alarm control panels that provide 12V or 24V supply on the detection circuit.

Smoke Detection: They use optical smoke detection technology to sense the presence of smoke, triggering an alarm signal to the fire alarm panel.

Visual Indicators: The smoke alarms typically have LED indicators that visually show the alarm and power status.

Tamper-Proof Design: Many models incorporate anti-tamper features to prevent unauthorized removal or interference.

Standards Compliance: In addition to EN54, these smoke alarms may also comply with other relevant standards such as BS 5839-1 for fire detection and fire alarm systems in the UK.

The EN54 2 Wire Smoke Alarms allow for cost-effective fire detection in conventional systems, making them a popular choice for commercial and industrial applications. Their simple 2-wire installation simplifies the wiring requirements compared to more complex addressable systems.

Introduction

The device is photoelectronic detector uses a state of-the-art optical sensing chamber. This detector is designed to provide open area protection and to be used with most conventional fire alarm control panel.

Two LEDs on each detector provide local 360° visible alarm indication. They flash every 3~5 seconds indicating that power is applied and the detector is working properly. The LEDs latch on in alarm. LEDs will be off when a trouble condition exists indicating that the detector sensitivity is outside the listed limit. The alarm can be reset only by a momentary power interruption.

Parameters

Product Name	Smoke Alarm	Rated operational voltage	9 to 28VDC Volts Non-polarized
Adjustable Sensitivity	1.06±.26%FT	Static current	≤40μA @ 24 VDC
Alarm current	≤30mA @ 24 VDC	Work temperature	-10°C~+50°C
Certification	EN54	Humidity	≤95%.
Size	103*103*55mm	Weight	155 g

Feature

Conventional Smoke Detector, Operates by Advanced MCU Expert Algorithm Software.

Key Specifications/Special Features

They work perfectly with all conventional intelligent fire control panels

Dual LEDs for 360-degree visibility

Advanced MCU Expert Algorithm Software.

Easy installation and maintenance

Durable sensor head, no need for replacement

SMD circuit board design-satisfactory quality and reliability guaranteed

Installation

IMPORTANT: The detector must be tested and maintained regularly following NFPA 72 requirements. The detector should be cleaned at least once a year.

INSTALLATION

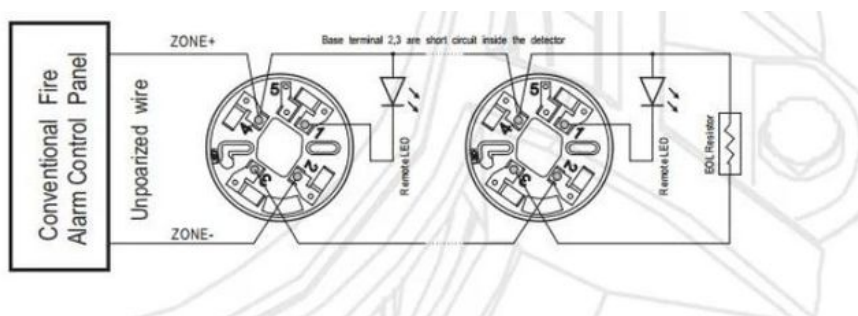
NOTE: All wiring must conform to applicable local codes, ordinances, and regulations.

NOTE: Verify that all detector bases are installed, that the initiating-device circuits have been tested, and that the wiring is correct.

Remove power from initiating-device circuits before installing detectors.

1. Wire the sensor base per the wiring diagram, Figure 1.
2. Install the sensor into the sensor base. Push the sensor into the base while turning it clockwise to secure it in place.
3. After all sensors have been installed, apply power to the control unit.
4. Test the sensor(s) as described in the TESTING section of this manual.
5. Notify the proper authorities that the system is in operation.

Warning: Forbid connect 24VDC directly without current-limiting resistance. Otherwise, the detector would be burnt out.



Product range

Conventional Fire Alarm System

Addressable fire alarm system

Gas Extinguishing control system

Beam Detector

4 wire smoke detectors with relay output.

2 wire Conventional smoke and heat detectors

Explosion-proof flame detector for fire alarm system

Standalone smoke detectors and combustible gas detector

Service

1. OEM & ODM service.
2. Provide technical support and after-sale service.
3. 1 year warranty.

4. Normally 15 working days lead time.
5. Welcome sample order.



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