EN54 Standard Conventional Fire Alarm System 2 Wire Smoke Alarm
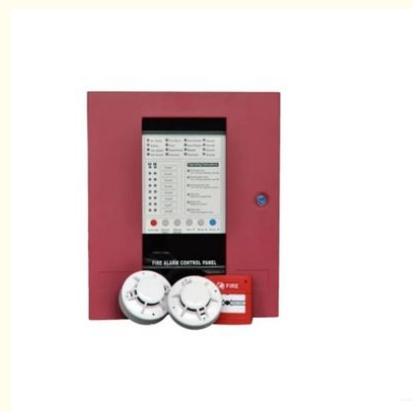
Basic Information

- 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: 2 Wire Smoke Alarm
- Adjustable Sensitivity: 1.06±.26%FT
- Wired: 2 Wire
- Specification: D103mm, H55mm
- Humidity Range: 10% To 95% Non-condensing
- Operating Temperature: -10°C To +50°C
- Highlight: **EN54 Standard Conventional Fire Alarm System**, **Conventional 2 Wire Smoke Alarm**, **CE 2 Wire Smoke Alarm**

EN54 Certificaiton 2 Wire Smoke Alarm For Conventional Fire Alarm System

Introduction

EN54 conventional smoke alarms utilize smoke detection technologies to sense the presence of smoke, which is an early indicator of a fire.
These alarms typically use either ionization or optical (photoelectric) smoke detection principles to identify the presence of smoke particles in the air.

Alarm Activation:
When the smoke alarm detects the presence of smoke, it triggers an audible and/or visual alarm to alert building occupants of the potential fire hazard.
The alarm signals are designed to be loud and attention-grabbing, helping to ensure that the occupants are aware of the emergency situation.

Compliance and Certification:
EN54 conventional smoke alarms are required to undergo rigorous testing and evaluation to ensure compliance with the relevant European standards.
This certification process verifies that the smoke alarms meet the necessary performance, reliability, and safety requirements specified in the EN54 standards.

Installation and Placement:
EN54 conventional smoke alarms are designed for straightforward installation, typically using a wall or ceiling mount.
The placement of these alarms within a building is determined by local fire safety regulations, which specify the required coverage and spacing to ensure optimal detection and notification capabilities.

Maintenance and Monitoring:
EN54 conventional smoke alarms may require periodic maintenance, such as cleaning and testing, to ensure they remain in good working order.
Some alarms may also be connected to a centralized fire alarm system, which can monitor the status of the individual smoke detectors and provide remote notification in the event of an alarm.
By adhering to the EN54 standards, conventional smoke alarms ensure a consistent level of quality, performance, and safety in fire detection and alarm systems across Europe, contributing to the overall fire safety of buildings and their occupants.

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 combustable 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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