

OT302

Conventional
Photo-electronic
Smoke Detector



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Product Overview

OT302 Smoke Detector is designed in transnormal thin style. With a unique optical sensing chamber designed to sense smoke particles produced by a wide range of combustion sources. The sensing chamber is sealed against back pressure air flow, dirt, and insects. This chamber is protected by a fine mesh screen which can be cleaned or replaced. Its hardware filter can verify the true fire and reduce false alarm.

Characteristics

- Transnormal thin design for thickness , just 45mm.
- Adopt SMT technology, firmly, high secure and antijamming.
- Special methods for damp-proof, antisepsis and mildew-proof.
- With inner mothproof net and shield cover
- Flame retardant thermoplastic
- Easy plug-in of the head to base
- SEMS screws for easy wiring
- 2-wire without polarity

Specifications

Operating Voltage: DC20V~DC28V

Standby current: $\leq 70\mu A$ Alarm current: $\leq 20mA$ (connect to DC24V and 1k resistor in series)

Dimensions: Diameter 100mm Height 51mm (with base) Weight: 142g (with base)

Using Environment: Temperature: $-10^{\circ} C \sim +50^{\circ} C$ Related Humidity: $\leq 95\%$ ($40 \pm 2^{\circ} C$)

Configuration and Installation Guide

1. The Model of OT302 base is ODZ3004. Model 86H50 wall mounting enclosure or other enclosure with 40~85mm mounting hole space should be used.
2. The side of detector bottom and the side of base has one convex edge each. There is one

slot on the base. When mounting, make the convex edge pointing to the slot in the base, and then place the detector into the slot. Finally turn clockwise until the convex edge of the unit is flush with the convex edge of base.

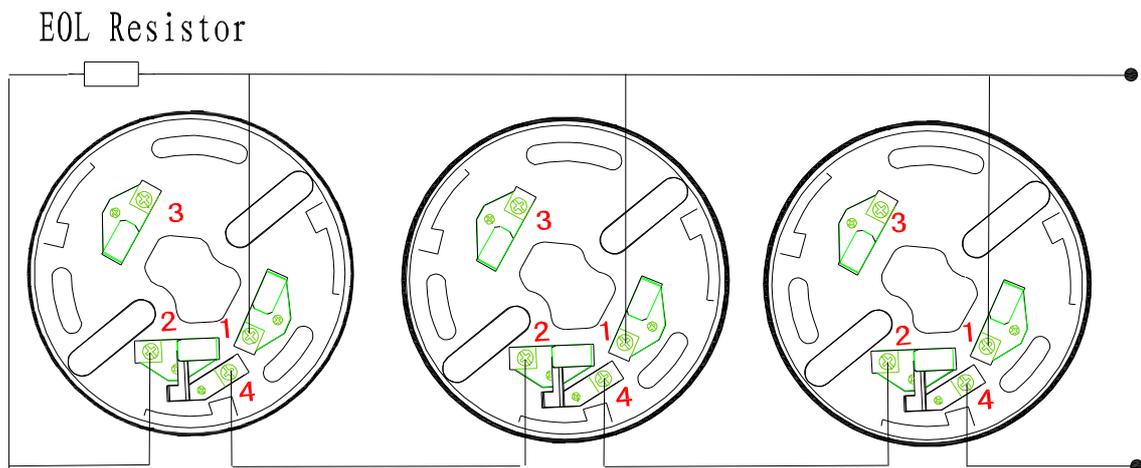
Wiring

1. Single heat detector

1 and 4 terminals are connected to the corresponding terminals (without polarity) of fire alarm control panel or interface modules respectively. One terminal (End of Line) resistor should be connected in series between 1 and 2 terminal. The specs of the resistor should refer to the requirement of control panel or interface module.

2. Multiple heat detectors

1 and 4 terminals are connected to the corresponding terminals (without polarity) of fire alarm control panel or interface modules respectively. One terminal (End of Line) resistor should be connected in series between 1 and 2 terminal of the detector at the end of line. The specs of the resistor should refer to the requirement of control panel or interface module.



Notice

1. After installing, the detector has to be locked into the slots of base, and its convex edge should be flush with the convex edge of base. Otherwise, it will be reinstalled.
2. After installed onto the base, wire pipe on the ceiling should be sealed with sealing paste or sealing glue to prevent accumulated water going into the unit.
3. When connecting, the wire should be with cooled terminals or tinned, and can't be wound randomly.

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