Combination Smoke and Heat Detector
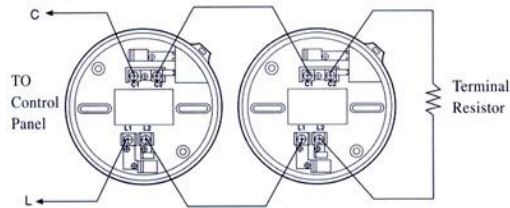
YSH-01

ISO 9001 certificated CE

DESCRIPTION

The detector is combined with smoke and heat detector for multipurpose. The smoke detector is adopting photoelectric type infrared LED which can detect smoke particles from different kind of fire occurred with high sensitivity and stability. The fixed temperature is using UL approval temperature sensor which is precise and durable.
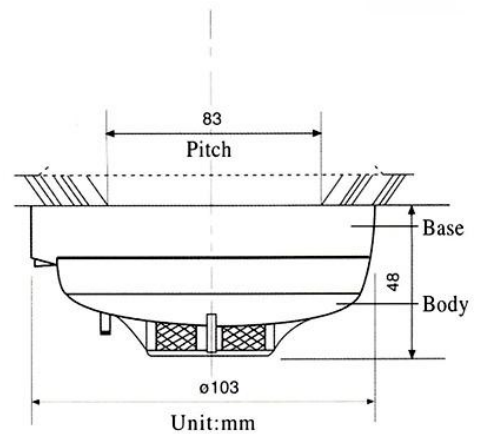
ADVANTAGES

- With smoke and fixed temperature detection enlarge detecting range and suit for wide application.
- Sealed and small volume temperature sensor avoid dust and moisture entering.
- Adopting advanced constant voltage electronic circuit ensure stable sensitivity. (Operating voltage DC 12V to 32V)
- Circuit board use SMT design for high quality and stable performance.
- Built-in anti-interfered design and anti-moisture process circuit board.
- This unit is repeated use and easy maintenance just by removing the cover to clean inside.
- Connections are non-polarized to avoid wiring mistakes.
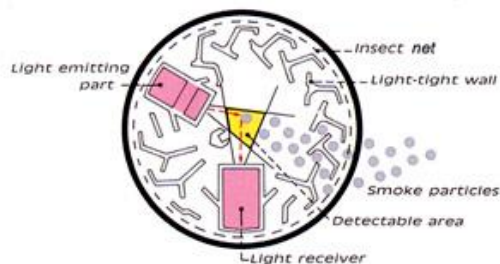
WIRING AND CONNECTION

C

TO Control Panel

L

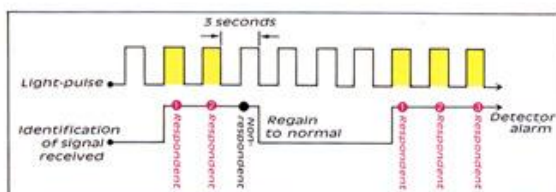Terminal Resistor

MOUNTING STATUS

83
Pitch

Base

48

Body

ø103

Unit:mm

SPECIFICATION

Voltage Rating:	24V DC	Ambient temperature	-10℃ ~ +50℃
Operating Voltage	12V ~ 32V DC	Ambient Humidity	0~95%
Supervising Current	60 μA（max.）	Body case	PC-ABS withstands impact and heat to a high degree.
Alarm Activated Current	100 μA（max.）	Weight:	150g
Test fixed temperature	68.75℃(set temp.55℃)	Color	Creamy-white
Text smoke concentration	15% per meter(smoke concentration 10%)		

OPERATION PRINCIPLES

(When smoke entered)

Light emitting part

Insect net

Light-tight wall

Smoke particles

Detectable area

Light receiver

A fire signal is emitted only more than three pulse signals are produced, that is a completely reliable process through thrice confirmations. There are no false alarm due to dust particles, confused pulses and exterior influence.

3 seconds

Light-pulse

Identification of signal received

Regain to normal

Detector alarm

Respondent / Respondent / Non-respondent / Respondent / Respondent / Respondent