Fire Alarm System

AT-CHD-103

Conventional Heat Detector

ATSONTECH ®

- • **Integrated algorithm for analyzing fire, improving the sensitivity highly**
- • **Drift compensation to suit environment changing extensively**
- • **Unique chamber design well protection from insects, dust and light interference**
- • **Removable sensing chamber, easy for maintenance**
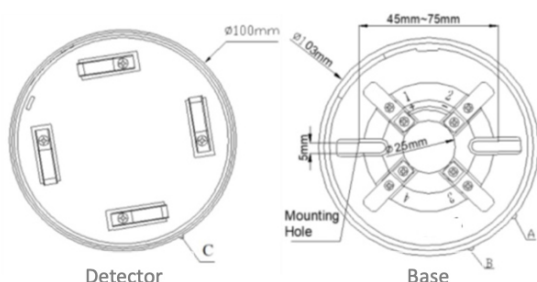- • **Self-diagnostic**

AT-CHD-103 The Conventional fire detector set new standards in fire detection technology.
The detector is characterized unique construction, stable & reliable performance, especially suitable for places with sharp temperature rise in case of fire.
It works better in detection fire reliably & reducing loss when used with smoke detectors.

Technical Specification

Operating Voltage	12-28VDC
Standby Current	≤60µA
Alarm Current	10mA~30mA
Indicators	Red. Quiet in normal condition. Illuminates steadily in alarm.
Alarm Clear	Instantaneous Power-off (5s Max., 2.5VDC Max.)
Power up Time	≤10s
Category	Class-A1R & Class-BS
Wiring	Polarized 2-core
Protection Area	20m² ~30m² when the space height is less than 8m
Operating Temperature	Class-A1R: Typical application temperature 25°C; range -10°C~50°C Class-BS: Typical application temperature 40°C; range -10°C~65°C
Relative Humidity	≤95%, non condensing
Ingress Protection Rating	IP33
Enclosure	ABS, ivory white
Dimensions	Diameter: 103mm Height: 58mm (with base)
Mounting Hole Distance	45mm~75mm
Weight	About 120g

Recommended Cabling & Typical Connections

1.0mm2 or above twisted pair cable is recommended, All cables should be subject to local codes

Detector

Base

There are four terminals with marks on the base.
  1. Positive In
  2. Positive Out
  3. Negative In and Out
  4. Mounting only, no connection
The base is suitable to be installed onto standard European embedded back box, with hole distance 45mm to 75mm