AN ISO 9001-2015 CERTIFIED CO.
AGNI PROTECTION PVT. LTD.
DATASHEET

CONVENTIONAL HEAT DETECTOR
MODEL NO-C-HD01

PRODUCT DISCRIPTION:

The Conventional Heat Detector is designed for seamless operation with all makes of conventional fire alarm control panels.
This new-generation detector incorporates a built-in microprocessor, ensuring stable, accurate, and highly reliable performance in demanding environments.
Utilizing advanced thermal sensing element technology, the detector delivers efficient and precise fire detection, particularly in locations where smoke detectors are unsuitable due to high levels of airborne contamination such as dust, fumes, or steam.

WORKING PRINCIPLES

The detector activates an alarm signal when the ambient temperature rises above a predefined threshold.
This threshold is set higher than normal ambient temperature to prevent false alarms while maintaining rapid fire response.

APPLICATIONS:

Suitable for fire detection in:

- Bars
- Kitchens
- Residential buildings
- Storage areas
- Hotels
- Warehouses
- Similar commercial, Residential and industrial environments

KEY FEATURES:

- Sleek, Low-Profile Housing Design for a modern and unobtrusive appearance.
- High Reliability with reduced risk of false or nuisance alarms.
- Easy Installation with a user-friendly mounting arrangement.
- Dual LED Indicators with 360° Visibility for clear visual status from all directions.
- Bi-Color LED Status Indication:
- Blinking Green in normal operating condition.
- Steady Red during fire/alarm condition.
- Network Relay Output for Remote Indicator (RI) connectivity.
- Thermistor for accurate smoke and heat response.
- Dustproof and Anti-Light Interference Design ensuring stable performance in challenging environments.
- Low Standby Current for energy-efficient continuous operation.
- Wide Compatibility with all makes of conventional fire alarm panels and zone monitor modules.
- **Remote Indicator Blinking in normal operating mode For visual assurance.**
- Recommended Installation Spacing: 5 meters between detectors.

TECHNICAL SPECIFICATION :

Product Design	2 Wire
Operating Voltage	16-30 V DC
Standby Current	75 µA.
Current Consumption at Alarm Condition	25 mA
LED Indication	Present
Temperature Range	57° C
Sensor	Thermistor
Quiescent Current	≤ 75uA
Blinking Cycle	12 sec.
Installation Method	Ceiling Mounted

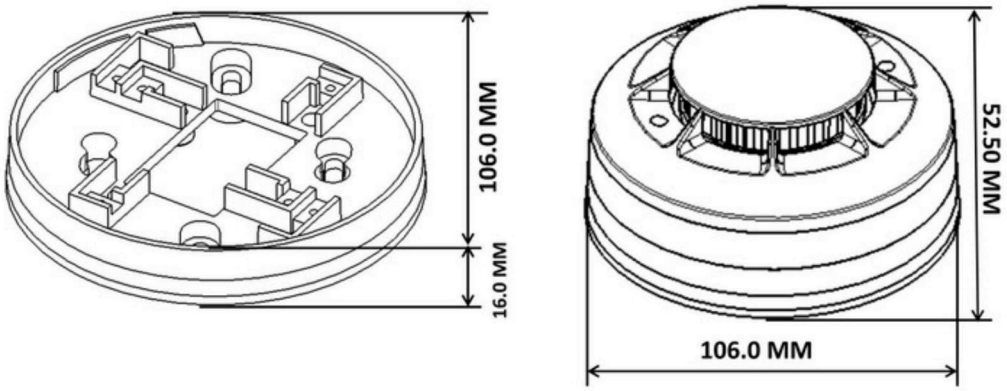
ENVIRONMENTAL INFORMATION:

Operating Temperature	0° C to + 65° C
Operating Humidity	5 to 95% Relative Humidity (noncondensing)

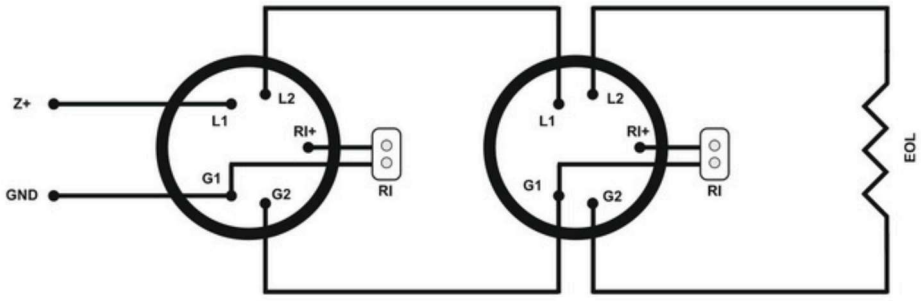
MECHANICAL SPECIFICATION:

Hight	52.4
Diameter	106 MM
Colour	White
Weight	150 gm.
Housing	ABS/Polymer

MECHANICAL DESIGN:



WIRING DIAGRAMS:



WIRING GUIDELINES:

- All the wire installation must accord with National and local effective laws and criteria.
- All wires must have the suitable size and must have colour coding to avoid connection errors. And unsuitable connection will lead to alarm error when Fire happens.
- The product should not be installed in the extreme hot or cold, high wind speed surroundings and in the conditions where there is often a lot of smoke or dust.
- The detector needs to be tested every 2 months.
- The product can reduce the possibility of accidents, but it cannot guarantee absolute safety. Besides using this product correctly.
- The dust cover cannot be removed until the project has been plunged into usage. Otherwise, it can't alarm normally.
- Clean the detector at least once a year to ensure normal operation of the system.

ORDERING INFORMATION:

MODEL NO	PACK QTY.	DIMENSION	WEIGHT
C-HD01	1	106 mm	150 g

STQC Certification