

HEAT DETECTOR

Model No.: BT-HD701

Product Overview:

The BT-HD701 is a high-reliability fixed-temperature heat detector designed to detect rapid temperature increases that may indicate a fire. With its advanced thermal sensing technology, it provides stable and accurate heat detection suitable for commercial, industrial, and residential environments. The detector is compatible with all standard Conventional Fire Alarm Control Panels and features a robust, easy-to-install design.

Special Features:

- As per IS -2189 Standard.
- Fixed-temperature heat detection technology
- Quick response to rapid heat rise
- Low standby current
- Built-in LED alarm indicator
- High immunity to dust, insects, and RF interference
- Reliable operation in harsh environments
- Easy installation with twist-lock base
- Compatible with all conventional fire alarm panels
- Durable fire-retardant ABS housing
- Modular, maintenance-friendly construction

Technical Specifications:

Operating Conditions:

- **Operating Temperature:** 0°C to 55°C
- **Storage Temperature:** -10°C to 60°C
- **Relative Humidity:** 0-95% RH (non-condensing)

Electrical Specifications:

- **Operating Voltage:** 9-33 VDC
- **Standby Current:** ≤ 60 μA
- **Alarm Current:** ≤ 80 mA (LED ON)
- **Smoke Sensitivity:** 2.1%/ft ± 0.5% obscuration
- **Alarm Indicator:** Red LED (latching)
- **Reset Method:** Power reset



Mechanical Specifications:

- **Dimensions:** Ø100 mm × 50 mm (including base)
- **Weight:** Approx. 0.150 Kg (without Packaging)
- **Material:** ABS fire-retardant housing
- **Color:** White
- **Mounting Base:** 2-wire / 4-wire compatible
- **IP Rating:** Ip30

Wiring Diagram:

