

DHI-HY-HT10B

Standalone Heat Alarm



System Overview

Heat Alarm (hereinafter referred to as the device) is specifically designed to continuously monitor temperature. Integrated with a high-precision thermistor and an intelligent algorithm, it triggers an alarm when a predetermined temperature is reached. It is ideal for smoky, dusty, or humid areas that may trigger false smoke alarms, e.g., kitchens where cooking fumes are present and attics, garages boiler rooms where there may be lots of dust. By using heat alarms, you can monitor these areas for a fire, without having to worry about a false alarm. Powered by a 10-year sealed battery, it provides 24/7 protection against fire for a decade.

The heat alarm is specified for Class A1 detection. Your heat alarm will sound a warning when the ambient temperature in a room is between 54°C and 65°C.

Scene

Application scenarios include household or similar residential applications such as kitchens and garages.

Technical Specification

Collection Type	Temperature
Sampling Period	10 s
Sensor Type	Thermistor
Alarm Type	Heat alarm, fault warning, low battery warning
Alarm Volume	85dB (A) at 3 m (9.84 ft)

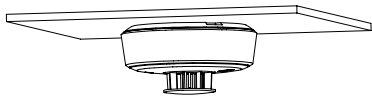
- Test and silence features in the central push button
- Loud sound output over 85 dB(A) at 3 meters
- Low quiescent current consumption
- Surface-mount device (SMD) circuit board design
- Low battery warning signal
- Class A1 fire detection (54°C to 65°C)
- Response times from typical application temperature

Technical Specification

Alarm Mode	Visual and audible alarm
Silencing Function	Yes
Indicator Light	Alarm, fault and operation indicator
LED Instructions	Standby: Green indicator flashes once per minute Alarm: Red indicator flashes once per second Fault: Red indicator flashes twice per minute
Power Source	3V CR123A lithium battery (replaceable)
Battery Life	10 years
Detection Class	Class A1 fire detection (54°C to 65°C)
Operating Current	Monitoring current: ≤15uA Alarm current: ≤60mA
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Operating Humidity	≤95% RH (non condensing)
Color	White
Casing	PC
Dimensions	φ93.8mm × H46.9mm (φ3.69" × H1.85")
Weight	115 g (0.25 lb)
Installation	Ceiling Mount
Certifications	CE
Compliance Standard	BS 5446-2:2003

Installation

Ceiling mount



Ordering Information

Type	Part Number	Description
Heat Alarm	DHI-HY-HT10B	Standalone Heat Alarm

Dimensions (mm/inch)

