DHI-HY-HT5MA
Mains Heat Alarm with Rechargeable Lithium Battery Back-up

· Class A1 fire detection (54°C to 65°C)
· Built-in 10-year rechargeable lithium battery back-up
· Hardwire interconnection up to 24 units
· Wireless interconnected with maximum of 24 devices, compatible with WisuLink wireless interconnected module
· Test and silence features in the central push button
· Loud sound output over 85 dB(A) at 3 meters
· Silenced by a working infrared remote controller

System Overview

Mains Powered Heat Alarm is specifically designed to continuously monitor abnormal 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. Heat alarm can be interconnected via a hardwired or wireless system (using optional WisuLink wireless interconnected module). Once one device triggers an alarm, the alarm signal will be pushed to every alarm in the interconnected network and they will raise the alarm in unison.

Scene

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

Technical Specification

Working Principle	
Collection Type	Temperature
Sampling Period	10 s
Sensor Type	Thermistor
Alarm	
Alarm Type	Heat alarm, fault warning, low battery warning
Alarm at Temperature Range	+54°C to +65°C (+129°F to 149°F)
Alarm Volume	≥ 85dB (A) at 3 m (9.84 ft)

Technical Specification

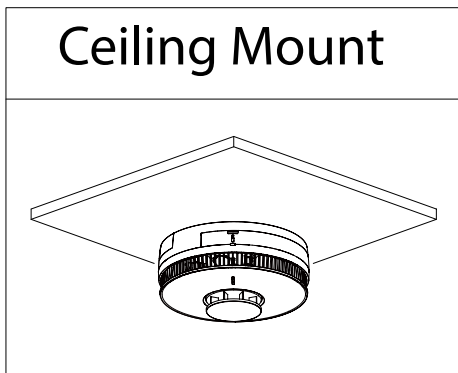| Alarm Mode	Visual and audible alarm
Silencing Function	Yes
Silence Duration	9 min
Silence by IR Remotes	Support
Basic Parameters	
Indicator Light	Alarm, fault and operation indicator
LED Instructions	Standby: Green indicator remains lit Alarm: Red indicator flashes once per second Sensor fault: Yellow indicator flashes twice per minute Low battery backup fault: Yellow indicator flashes once per minute
Maximum Number of Connected Units	24 hardwire interconnected / 24 wirelessly interconnected with WisuLink wireless interconnected module
Power Supply	
Power Source	AC 100V- 250V, 50/60Hz
Battery Back-up	10-year rechargeable lithium battery
Operating Ambient	
Operating Environment	Indoor
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Operating Humidity	≤95% RH (non condensing)
Appearance	
Color	White
Casing	PC+ABS
Dimensions	Φ148.6mm × H68.4mm (Φ5.85" × H2.69")

Weight	310 g
Installation	Ceiling Mount
Certification	
Certifications	CE, UKCA and CSIRO ActivFire listed
Compliance Standard	BS 5446-2:2003 and AS 1603.3:2018

Ordering Information

Type	Part Number	Description
Heat Alarm	DHI-HY-HT5MA	Mains Heat Alarm with Rechargeable Lithium Battery Back-up
Heat Alarm	DHI-HY-HT5MB	Mains Heat Alarm with 9V Alkaline Battery Back-up

Installation

Ceiling Mount

Dimensions (mm/inch)