



Oplink Communications

User manual

Sonic & Heat Sensor

Model No: SNH1300



Version 0.1

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Sonic & heat sensor is a device that is used to warn people of a possible fire. The alarm is designed to go off when detected smoke alarm sounds or when a certain temperature is met or when the temperature in a room rises at a certain rate. With its automatic dialing alarm, it can notify you through your communication equipment (for example, telephone, mobile phone) as soon as possible. Thereby let your losses to a minimum.

Though they are not meant to replace smoke detectors, Sonic & heat sensors are a useful supplemental form of fire detection. It features dustproof, prevent false alarm, anti-electromagnetic, etc. This ensures quality and stability, widely used for home, office, store, hotel, warehouse and all indoor which need to prevent high temperature.

Specification:

System	
Detection Type	Sound detection, ambient temperature detection
Detection Sensitivity	<p>Sonic:</p> <ol style="list-style-type: none">1. Sound intensity 85 db alarm threshold2. Detection range of 30 CM limited direction <p>Alarm Temperature:</p>



	1. Over 57+/-3 °C 2. Temperature changes by more than 6.7 °C / minute
Power Source	DC3.0V 1400mAH Li-Battery
Standby Mode Current	$\leq 70\mu\text{A}$
Alarm Mode Current	$\leq 40\text{mA}$
Power Consumption	1 year (Triggered twice a day and the noise less than 70 dB)
RF transmission test	By pushing the button on top surface
Operating Environment	WorkingTemp:-10 °C~65 °C(sustain 2 hours at 60 °C~65 °C) Humidity:5%~80%RH non-condensing Storage Temp: -20 °C~65 °C Humidity:5%~85%RH
Battery Low Level Indicator	2.5V
Low Battery Alarm Mode	Low battery only alarms when another sensor alarm triggered and Heartbeat
Safety Regulation	FCC/CE/NCC



Environmental Standard	RoHS, REACH
Communication	
RF Frequency	433.92MHz +/-150KHz
Modulation	ASK
Antenna	Internal Antenna
Transmit Power	>= -2dBm
Output conductive TX power	TBD (without Antenna)
RF Range	40m indoor (Line of sight, LOS) 100m Outdoor(Line of sight, LOS)

Mounting

1. Drive the wall-mounted cover with two screws which in the package in the wall which distance from smoke alarm is not more than 30cm.
2. Open the battery cover of Sonic & heat sensor, Insert a lithium battery CR 123 A positive polarity, indicator lamp flash means it has been add in the network.
3. Put the sensor on the wall-mounted cover and turn around.



FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.