

Product Specifications

Z-Wave Ceiling-mount Smoke Detector

HZS-200

Release 1.0

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Change History:

Revision	Date	Author	Change List
Version 1.0	2015/09/29	Brandon Wang	Initial release

Author	Brandon Wang	Editor:	Brandon Wang
Reviewed by:	Jonas	Approved by:	Tom

1. PRODUCT DESCRIPTION



Home Automation and Smart Home Control

The HZS (Z-Wave Sensing Device) series of PLANET Home Automation product family, based on Z-Wave technology, provides the advanced security system that protects your home and family 24/7. Easy operation and flexible configuration are the attractive features of our system; the simple one-touch button lets you program your regular settings according to your preference and operation mode. Worked with PLANET HAC-1000 Z-Wave Home Automation Control Gateway, you get the all-round and reliable home security services that we offer. Our full range of product lines ensure that you get all the devices you need for your home security system.

Vocal Smoke Alarm Horn

PLANET HZS-200 is a Photoelectric Smoke Detector whose alarm of 85dB will be triggered upon detection of smoke coming from a fire or other burning sources. The alarm signal is then picked up by PLANET HAC-1000 Control Gateway where you will be remotely alerted of the situation via mobile devices, such as smart phone and tablet. The quickness of the alert can certainly stop the situation from becoming worse, thereby protecting your home from the would-be tragedy.

Getting Started is as Easy as 1-2-3

1. Via the Cloud Home App (including Home Automation Controller Pad and Control Gateway): Press **Inclusion/Exclusion** to include/exclude Z-Wave device.
2. On the Z-Wave device: Press the **Pair** button to establish a connection with the control gateway.
3. Users can enjoy and manage Z-Wave network right away.

Easy Installation and Convenient Status Indicator

The HZS-200 can be easily installed by ceiling mounted or wall mounted. It also provides various LED light signals for you to conveniently recognize its different statuses directly, such as standby mode, tamper switch alert, low battery warning and error detection, without logging in to its configuration interface.

2. PRODUCT FEATURES

- Z-Wave 500 series module inside

- Ceiling and wall mount mechanism
- Photoelectric sensor is particularly effective in detecting smoldering fires
- Built-in 85dB sounder and flashing red LED indicate presence of smoke
- Tamperproof protection
- Low-power consumption for long battery life
- Manual test button allows you to quickly and easily ensure functioning properly
- Mute mode allows you to silence the detector when there is a false alarm
- Battery capacity detection (with the HAC-1000 Control Gateway)
- Immediately send alert notifications to smart phone (with the Cloud Home App)

3. PRODUCT SPECIFICATIONS

3.1 COMPONENTS

Chipset	Sigma Z-Wave™ (ZM5202)
Flash	1MB

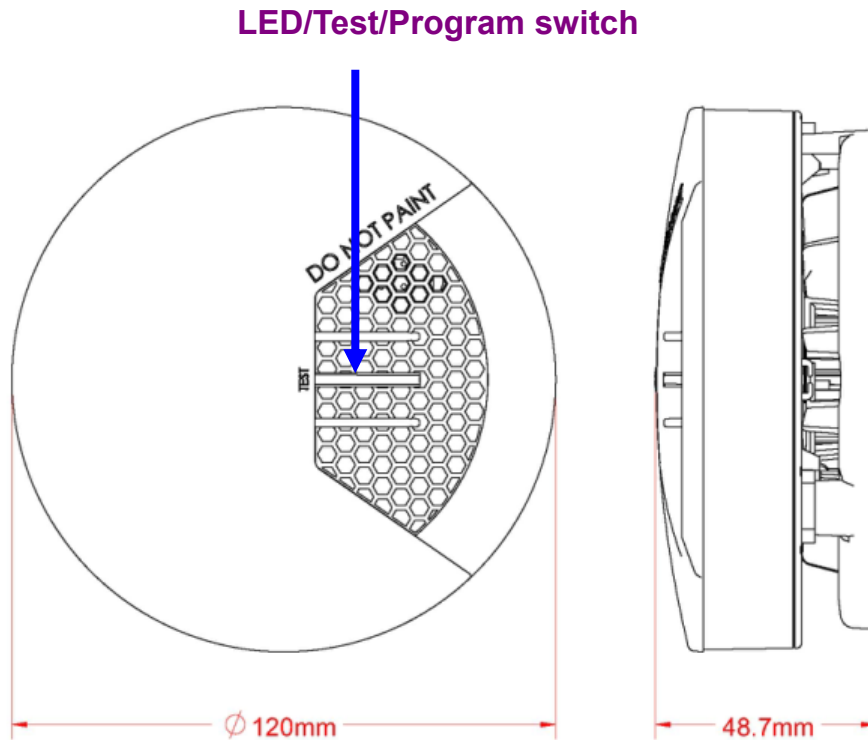
3.2 FUNCTIONAL SPECIFICATIONS

Product	HZS-200A	HZS-200E
Hardware and Network		
Z-Wave Frequency	America: 908.42MHz	Europe: 868.42MHz
Sensor	Photoelectric	
Buzzer	85dB/3m	
LED Indicators	Red: Standby mode, low battery warning Yellow: Tamper switch alert, low battery warning, error detection	
Operating Range	Up to 30 meters in open space	
Installation	Wall mount: 4 to 6 inches from the ceiling Ceiling mount: The center of the ceiling Indoor use	
General		
Power Requirements	CR123A 3V	
Operating Temperature	0 ~ 49 degrees C	
Operating Humidity	10 ~ 95% (non-condensing)	
Weight	144g	
Dimensions (Φ x L)	120 x 48.7 mm	
Emission	CE, FCC	

3.3 PHYSICAL SPECIFICATIONS

Dimensions (Φ x L)	120 x 48.7 mm
Weight	144g (gross weight)

➤ **Front Panel**



Interface	Description
LED	Red: Standby mode, low battery warning Yellow: Tamper switch alert, low battery warning, error detection *For more details of indicator, refer to HZS-200 user manual.
Test	Set the Silence Feature and check whether this device got crash or ready.
Program switch	Press to include or exclude a Z-Wave network.

3.4 ENVIRONMENTAL SPECIFICATIONS

➤ **Temperature**

Operating	0 ~ 49 degrees C
Storage	0 ~ 55 degrees C

➤ **Operating Humidity**

Operating	10 ~ 95% (non-condensing)
Storage	0 ~ 95% (non-condensing)

3.5 ELECTRICAL SPECIFICATIONS

Device Input Voltage	CR123A 3V
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3.6 REGULATORY COMPLIANCE

CE, FCC

3.7 RELIABILITY

MTBF> 50,000hrs @ 25 degrees C

3.8 BASIC PACKAGING

- 1 x Smoke Detector
- 1 x Quick Installation Guide
- 1 x CR123A Lithium Battery
- 1 x Bracket Holder
- 1 x Screw Kit

3.9 PACKAGE INFORMATION

Dimensions (W x D x H)	123 x 56 x 123 mm
Weight	219g
Carton Dimension (W x D x H)	400 × 258 × 273 mm
Carton Weight	5.4kg
Carton Unit	24pcs. in one carton