

## User's Manual

## **Z-Wave 4-in-1 Multi Sensor**

► HZS-300E/HZS-300A







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#### **Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experienced radio technician for help.

#### **FCC Caution**

To assure continued compliance, use only shielded interface cables when connecting to computer or peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

#### Federal Communication Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.

#### Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

#### **CE Mark Warning**

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



#### **WEEE Regulation**



To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

#### Revision

User's Manual of PLANET Z-Wave Ceiling-mount Smoke Detector

Model: HZS-300

Rev: 1.00 (October, 2015)

Part No. EM-HZS-300 Series\_v1.0.doc



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## **Chapter 1. Product Introduction**

### 1.1 Package Contents

The package should contain the following:

- 4-in-1 Sensor x 1
- Quick Installation Guide x 1
- AAA Battery x 2
- Accessory Bag x 1



If any of the above items are missing, please contact your seller immediately.

#### 1.2 Overview

#### **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.



#### Safeguarding Homes Conveniently via the Multi-functional Sensor

PLANET HZS-300, a Z-Wave 4-in-1 Multi Sensor, has four sensors integrated into one device, thus enabling you to monitor the security of doors and windows, humidifiers, lightings, and thermostats of your home at site or remotely. The HZS-300 sends Z-Wave signal to the user when someone is prying a door or window open,



or there is a change in humidity, luminosity and temperature. It not only helps to protect homes, offices and other establishments from theft, but also helps to keep humidity, luminosity and temperature in these places within their ideal range.



#### Mini Design for Easy Installation

As the HZS-300 Z-Wave sensor comes in lightweight and compact size, it can be installed on any door and window in less than 60 seconds. It is also hardly visible to intruders as its size is miniature.





#### **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.



## 1.3 Specifications

Product	HZS-300A	HZS-300E		
Feature Specifications				
Z-Wave Frequency	America: 908.42MHz	Europe: 868.42MHz		
Sensor	Door and window Illumination Temperature Humidity			
Temperature Detection Range	-40 ~ 105° C			
Illumination Range	Photoresistor, 0V~1.148V (0%~100%)			
Humidity Range	0%~100%			
LED Indicators	Opening/Closing the door/window Tamper switch Temperature change			
Operating Range	Up to 30 meters in open space			
Installation	Wall mount, indoor use only			
Hardware Specifications				
Power Requirements	AAA battery, 1.5V			
Operating Temperature	-15 ~ 60 degrees C			
Operating Humidity	0 ~ 95% (non-condensing)			
Weight	40g			
Dimensions (W x D x H)	69 x 28 x 19 mm			
Emission	CE, FCC			

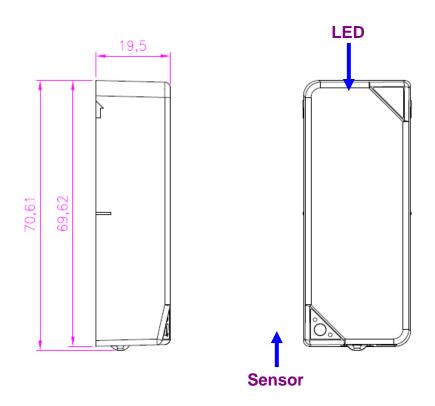


## **Chapter 2. Hardware Interface**

Model	HZS-300E/HZS-300A
Dimensions (W x D x H)	69 x 28 x 19 mm
Weight	40g (gross weight)

#### Front Panel

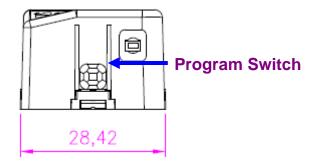
## **LED/Test/Program Switch**



Interface	Description			
	Opening/CI Tamper swi Temperatur		,	
		Temperature	LED Color	
LED		Under 15°C	Green	
		15~23°C	Blue	
		23~28°C	Yellow	
		28~36°C	Orange	
		Over 36°C	Red	
	*For more details on indicator, please refer to HZS-300 user manual.*			
Sensor	The sensor is for illumination detection.			



#### Bottom





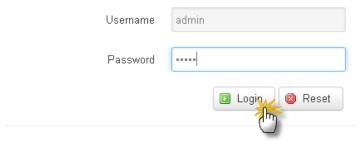
# Chapter 3. Z-Wave Device Setting 3.1 Configuring Z-Wave Device via HAC-1000

Please refer to the following steps to add Z-Wave device via HAC-1000 web.

1. The default username and password are both admin.

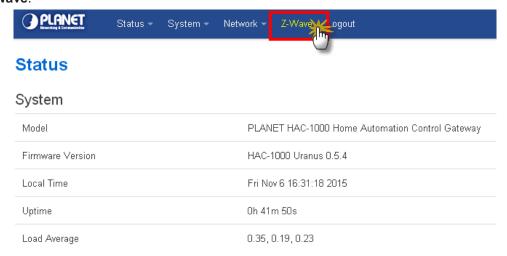
#### **Authorization Required**

Please enter your username and password.



Powered by PLANET / HAC-1000 Uranus 0.5.4

#### 2. Click **Z-Wave**.



#### 3. Click Z-Wave.



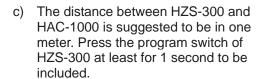


4. Click Device Configuration.



Step 1. Include a Z-Wave device via web.

- a) Go to "Z-Wave" and click "Device Configuration".
- b) Click" Include New Device" and the screen will appear with "Add Device: Waiting for a user action."







d) If your device has successfully been added, it will show "Add Device: Command has been completed successfully".





If the device didn't add successfully, please place the device next to the gateway and try again.

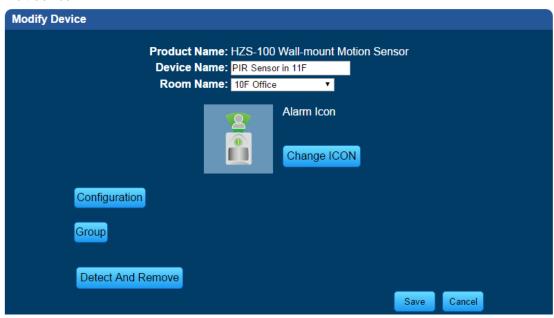


Step 2. Set up the location and room for Z-Wave device via HAC-1000 web.

a. Create rooms in your environment.



b. Edit device.



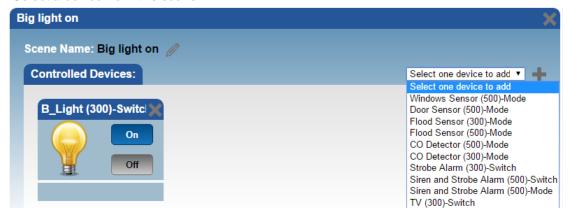
Step 3. Create a scene via web.

a. Click "Create Scene" and name new scene.

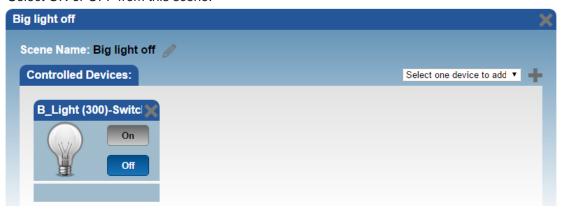




b. Select a device from this scene.



c. Select ON or OFF from this scene.



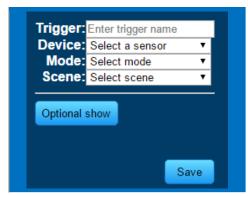
d. You can click "RUN" to run this scene.



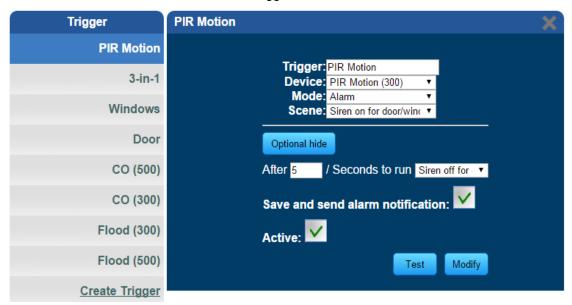


Step 4. Create trigger via web.

- a. Click "Create a Trigger" and name new trigger.
- b. Select a Z-Wave device for this trigger.
- c. Select when it triggers, it will alarm or bypass.
- d. Select when it triggers, it will run which scene.



After entering the time selected for the scene to trigger, tick "Save and send alarm notification". Tick "Active" to enable this trigger.



## 3.2 Configuring Z-Wave via Smart Phone

The HAC-1100 can be used on iOS and Android operating system. **Cloud Home** can be downloaded at Google Play store or app store.





Please refer to the following steps to install **Cloud Home** app and add Z-Wave device via smart phone.



Step 1. Include a Z-Wave device via smart phone (Android/iOS).

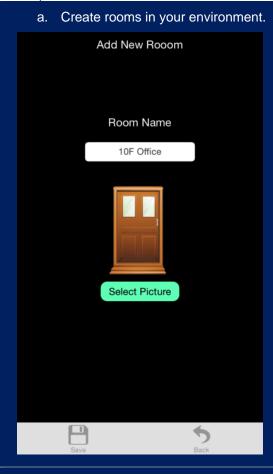




e. The distance between HZS-300 and HAC-1000 is suggested to be in one meter. Press the program switch 3 times within 3 seconds to be included.



Step 2. Set up the location and room for Z-Wave device.



b. Click "No Room" to show the device.
And place the new device in a room.

Control Moniter

Heater

FAN

HZS-532 Smart Energy Meter

3.

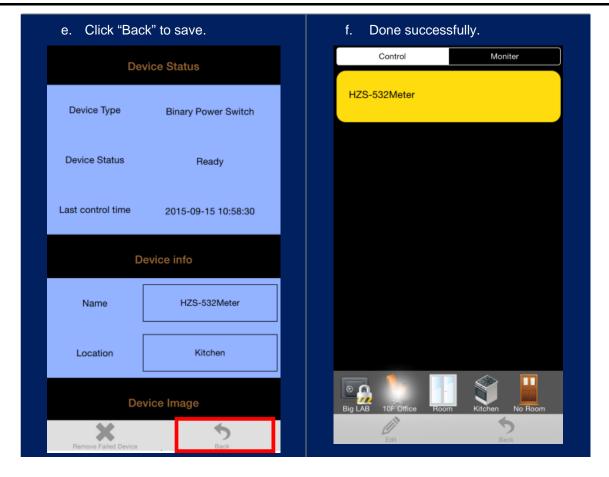
c. Select "Name" to name this device and select "Location" to place this device in the room that you created.



d. Select Picture for your Z-Wave device.

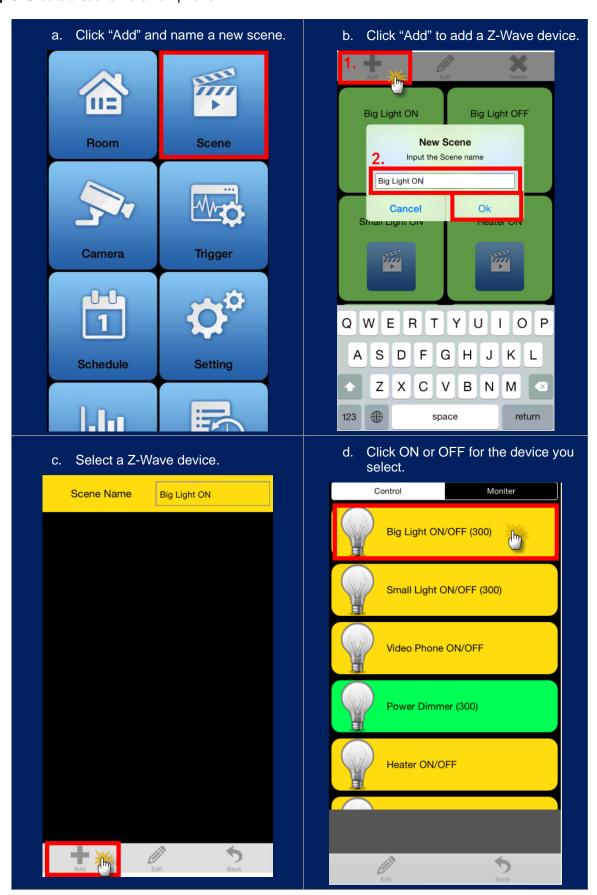




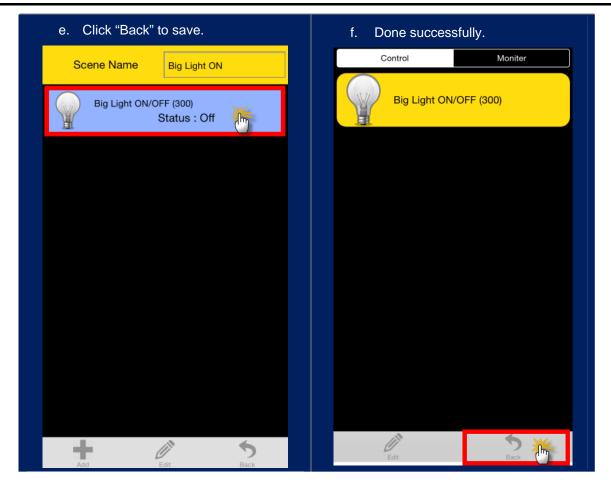




**Step 3.** Create a scene via smart phone.





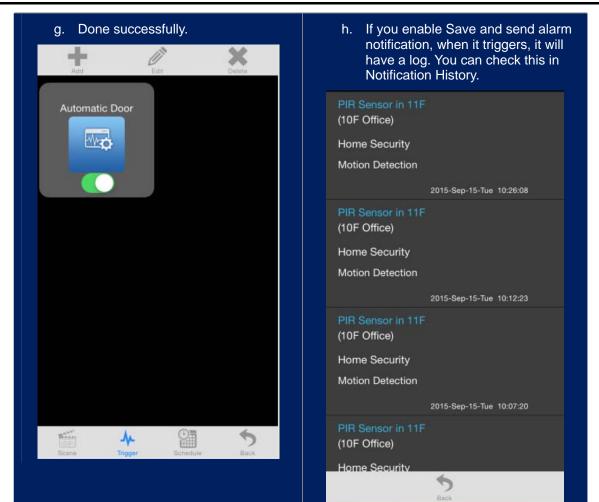




Step 4. Create Trigger via smart phone.



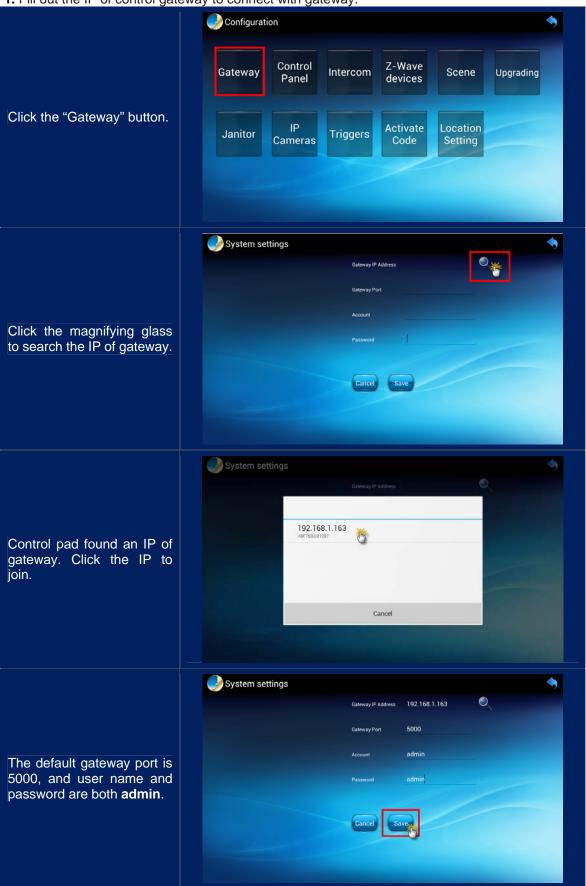






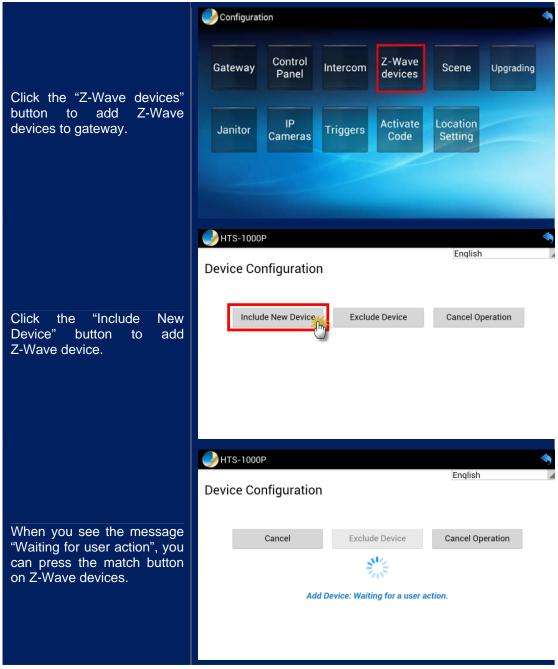
## 3.3 Configuring Z-Wave via HTS-1000P

Step 1. Fill out the IP of control gateway to connect with gateway.

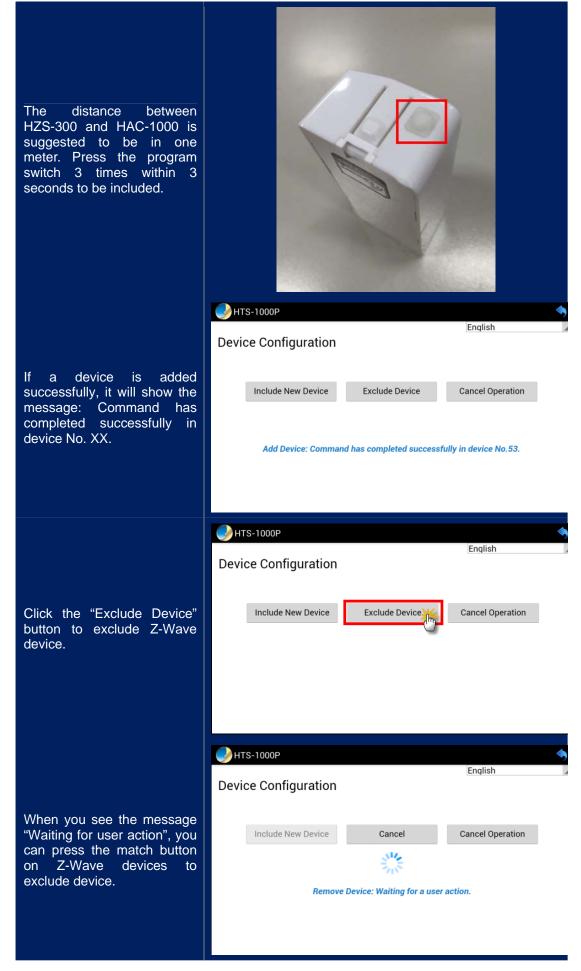




Step 2. Include a Z-Wave device via HTS-1000P.

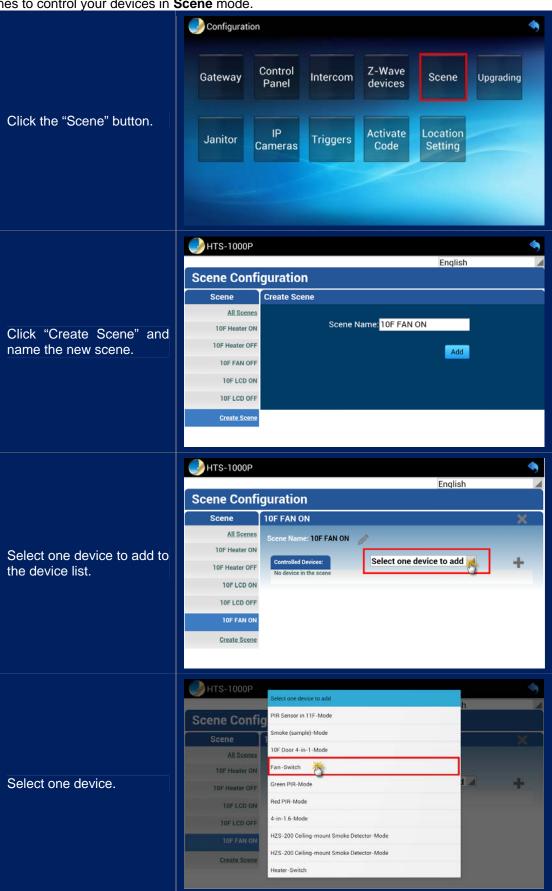




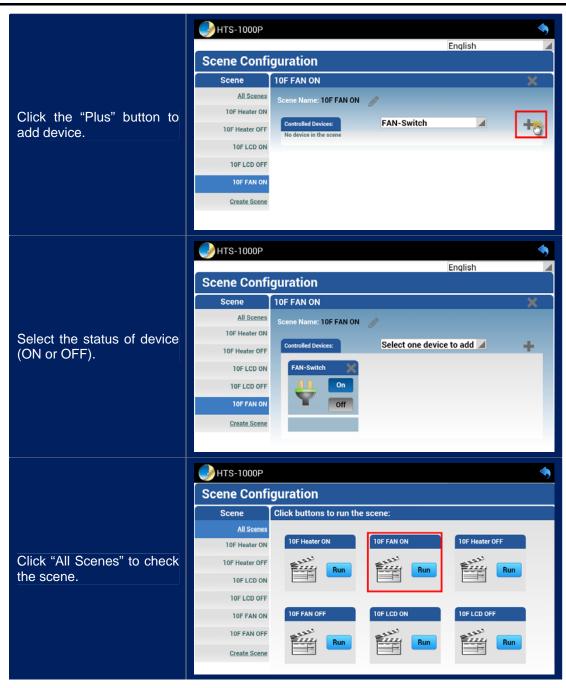




**Step 3.** After including Z-Wave devices in gateway, you can create different scenes with this function. You can set scenes to control your devices in **Scene** mode.





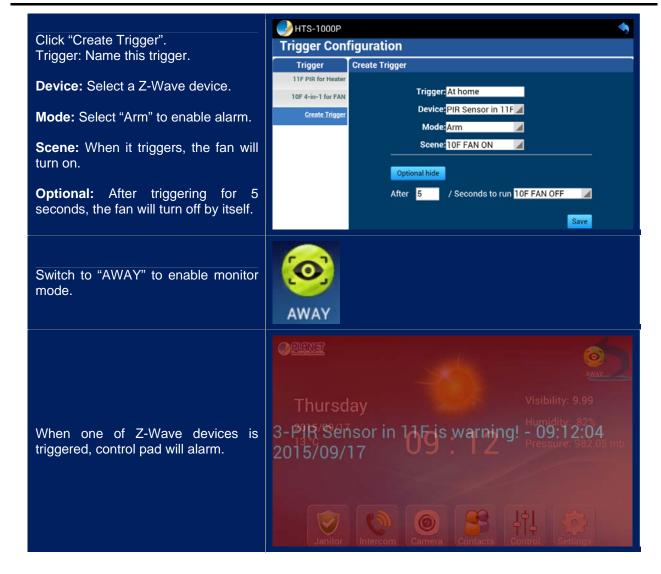


Step 4. In Trigger mode, the trigger time is set. An alarm notification is sent via sensor. If a sensor is not

installed, this step can be skipped.

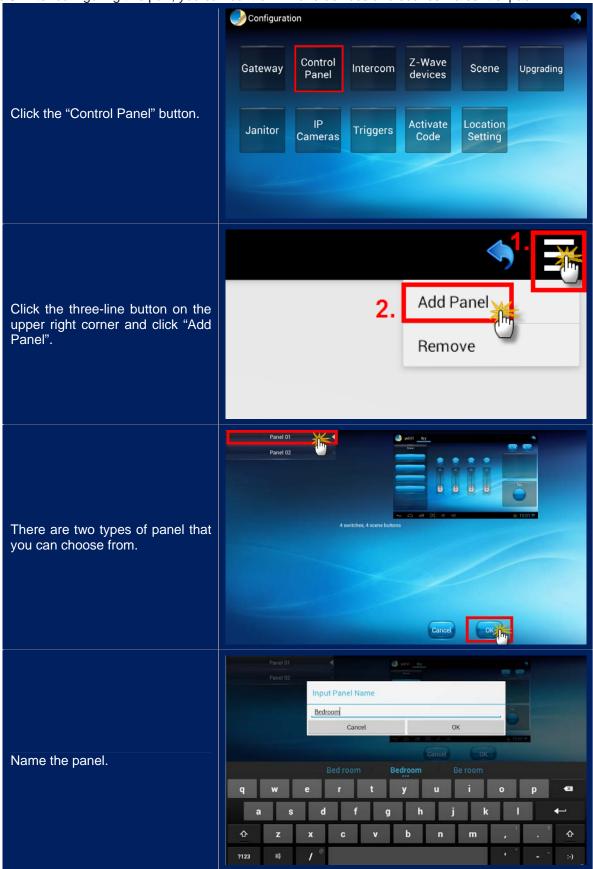




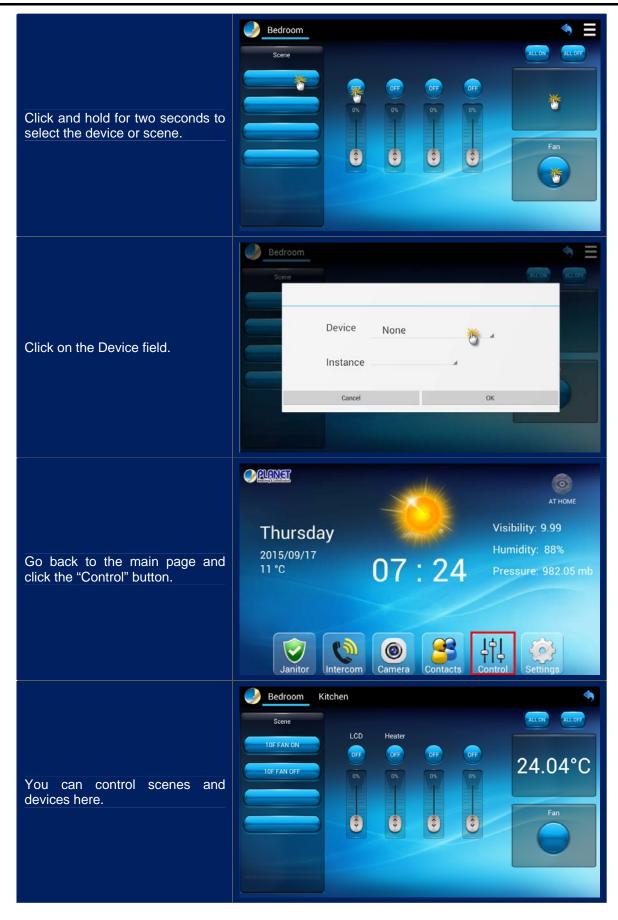




Step 5. After configuring this part, you can control Z-Wave devices and scenes via control pad.









# **Appendix A: Troubleshooting & Frequently Asked Questions**

Features			
This difference between Z-Wave and ZigBee	<ul> <li>The frequency is different between Z-Wave and ZigBee. ZigBee is 2.4GHz and Z-Wave is about 900MHz.</li> <li>The outdoor distance is different. ZigBee is 10~75 meters and Z-Wave is about 30 meters.</li> </ul>		
Z-Wave Device Installation			
How to reset the HZS-300 Series	Open the rear cover to send the Alarm Report and then press the program switch 10 times in 10 seconds to enable the HZS-300 to send the "Device Reset Locally" command and reset to the factory default.		
Repeater Function	Only HZS-530 Series can extend the frequency range of Z-Wave. HZS-530 Series can act as a signal repeater to enhance the Z-Wave wireless communication range. For example, the HAC-1000 (Control gateway) is installed on the second floor to control over the HZS-300 (4-in-1 Sensor) on the first floor, but the Z-Wave frequency is weak. Thus, HZS-530 Series can be installed in between the second floor and the first floor to solve the problem.		