

# HK7W-SCN04-V1.0

**VII. COMMUNICATION FAILURE ALARM FUNCTION** 

**Ⅲ. TESTING Z-WAVE NETWORK RANGE** 

the main controller, and still under checking.

with the Z-Wave main controller.

7-hutton during these 3 seconds

To start testing

The Scene Controller will beep one time when the communication

between the Scene Controller and any one of the controlled device

Scene Controller's LED indicator can signal its communication quality

Press and hold the Z-button for 11 to 15 seconds, the LED will keep on

in purple for 3 seconds, it will enter testing mode if you short press the

Blink in green -Scene Controller establish a direct communication with

# X ASSOCIATION

button 4 is triggered.

button 4 is triggered.

Details shown as the below diagram 2

€ means Button 1

Omeans Button 3

device directly, such as Smart Switch, Smart Dimmer, etc. Scene Controller supports nine association grouping

relates to a specific button action. View details in t section of "YII BUITTON FUNCTION" Group 1 allows Scene Controller sends central scen command and battery report command when any

Details shown as the below diagram 1. Group 2 allows Scene Controller sends basic set command when the

button 1 is triggered Group 3 allows Scene Controller sends switch multilevel set, multilevel start level change and multilevel stop level change command when the button 1 is triggered.

Keep green - The green light should last about 2 seconds, which means

the direct communication is stable. Blink in orange - Scene Controller can communicate with the main controller in intermediate radio transmit power level, and still under checking.

Keep orange - The communication quality is moderate.

Keep Red - The communication is failed.

1. This function works only when Scene Controller has been included into a Z-Wave network. 2. Click the Z button to exit the test.

# IX. BATTERY CHARGING

Scene Controller has an internal rechargeable battery that will run for half a year under the normal use condition. If the battery level is less than 20%, this will activate the low battery level function, this means

The LED nearby the micro USB port will keep on in red during the

changing, and it will turn to green if the charging is finished.

you need to charge the battery. The charger's output should be a micro USB terminal with the specification of output DC 5V.

(1) Z-Wave Plus certified for wide compatibility (500 serials product). (2) Support remote control anywhere and anytime. (3) Scene Controller is capable of sending four different scene commands with four buttons (4) The battery is rechargeable. (5) The battery will run for half a year per single charging. (6) Support low battery alarm with a buzzer. (7) Support communication failure alarm with a buzzer. (8) Support firmware OTA. I . GENERAL INFORMATION ABOUT SCENE CONTROLLER 1. Product layout Micro USB port

The Scene Controller is a slave product that is wireless, portable and

rechargeable. It can control a Z-Wave device, such as smart plug, smart

dimmer through a Z-Wave gateway. You can also activate a scene like

sleep scene, movie scene and entertainment scene with it.

The features list:

Association allows the Scene Controller to control another Z-Wave

A means Button 2

n means Button 4

ngs, every group the follow
ne notification button is triggered.
mmand when the

Group 4 allows Scene Controller sends basic set command when the button 2 is triggered Group 5 allows Scene Controller sends switch multilevel set, multilevel

start level change and multilevel stop level change command when the

button 2 is triggered Group 6 allows Scene Controller sends basic set command when the

Group 7 allows Scene Controller sends switch multilevel set, multilevel start level change and multilevel stop level change command when the button 3 is triggered.

start level change and multilevel stop level change command when the

Group 8 allows Scene Controller sends basic set command when the Group 9 allows Scene Controller sends switch multilevel set, multilevel

Press: Switch multilevel set Hold: Multilevel start level change Release: Multilevel stop level change Press: Basic Set Hold: Reserve Release: Reserve Press: Switch multilevel set Hold: Multilevel start level change Release: Multilevel stop level change Press: Basic Set Hold: Reserve Release: Reserve Press: Switch multilevel set Hold: Multilevel start level change Release: Multilevel stop level change

Release: Reserve

( Key Attributes=0)

( Key Attributes=2)

( Key Attributes=1)

Release: Reserve

Release: Central scene notification

Press: Basic Set Hold: Reserve

Press: Basic Set Hold: Reserve

Hold: Multilevel start level change

Release: Multilevel stop level change

Press: Switch multilevel set

Action & notification Press: Central scene notification Hold: Central scene notification

Insert your battery:

III. Z-WAVE NETWORK INCLUSION

to increase reliability of the network.

Included as a non-secure device

(1) Insert the LIR2450 battery.

Scene Controller can be included and operated in any Z-Wave network with other 7-Wave certified devices from other manufacturers and/or other applications. All non-battery operated

nodes within the network will act as repeaters regardless of vendor

(2) Set the Z-Wave network main controller into learning mode

Insert your battery and close the cover, as the figure below shows.

Controller sends

press, held down and release. Short press allows Scene Controller sends:

Held down (more than 1 second less than 20 seconds) allows Scene

Central scene notification command to the associated nodes,

Central scene notification command to the associated nodes

Multilevel stop level change command to the associated nodes.

Release allows Scene Controller sends

Multilevel start level change command to the associated nodes.

Included as a secure device (1) Insert the LIR2450 battery.

(1) Insert the LIR2450 battery.

V. RESET SCENE CONTROLLER

7-Wave network information.

hutton within this 3 seconds

VI. LOW BATTERY ALARM FUNCTION

To reset Scene Controller:

(2) Set the Z-Wave network main controller into learning mode

(4) If the inclusion is successful, the LED will blink in green less than

If you want your Scene Controller to be a security device that

use secure/encrypted message to communicate in a Z-Wave

network, then a security enabled Z-Waye controller is needed.

(see Z-Wave network controller operating manual)

To remove the Scene Controller from the Z-Wave network:

(2) Set the Z-Wave network main controller into learning mode (see Z-Wave controller operating manual).

(3) Triple click the Z-button, if the exclusion is successful, LED will blink

Reset procedure clears the Scene Controller's memory, including

Pressing and holding the Z-button for 20 seconds. Release the button

Use this procedure only in the event that the network

primary controller is missing or otherwise inoperable.

after 20 seconds, LED will keep in yellow for 3 seconds. Scene

Controller will be reset to factory defaults if you short press the

in orange for less than 5 seconds and then keep on for 3 seconds.

(3) Pressing and holding the Z-button for 3 seconds.

for 5 seconds and then keep on for 15 seconds.

IV. REMOVING FROM Z-WAVE NETWORK

You may need the Over the Air (OTA) feature for the product's firmware upgrade. Your Scene Controller can not be used after OTA. In such a case, you need to activate the product by pressing and holding the Z-Button until the led turns on, this procedure may take you about 10 seconds. After these your Scene Controller will be usable.

Scene Controller will send battery report to the lifeline group when (see Z-Wave network controller operating manual). Z-Button is triggered during the sleep mode. If the battery level of (3) Triple click the Z-button. the Scene Controller is less than 20%, the Scene Controller will beep (4) If the inclusion is successful, the LED will blink in blue less than for 5 seconds and then keep on for 15 seconds. 3 times when the button is pressed. XIII. ADVANCED CONFIGURATION 1. The max number of associated nodes of all these 9 groups is 5. Scene Controller offers a wide variety of advanced configuration 2. Association allows for direct transmission of control settings. Below parameters can be accessed from main controllers command between devices and takes place without the configuration interface. participation of the main controller. Parameter No.254 Enable/disable the configuration command XI. WAKE UP Lock/unlock all configuration parameters. Wake up interval: 0 - Unlock. Available settings: 0 1 - Lock. Default setting: 0 Default setting: 0 Parameter size: 1[bvte] Pressing and holding Z-Button for 3 seconds. Led will turn to green, which means Scene Controller has successfully sent the wake up Parameter No.255 Reset Scene Controller notification out Reset the sensor or remove from the 7-Wave network Value: 1431655765 The interval time must be set to 0. The wake up Default: 1 notification will not wake the Scene Controller, only the Parameter size: 4[byte] action of the button can you wake the Scene Controller. Reset to factory default settings and removed from the Z-Wave network. Default: 1 XII. BUTTON FUNCTION Parameter size: 1[bvte] Reset the values of the configuration command to default setting. Scene Controller offers three button action types, including short XIV. NOTES FOR OTA Central scene notification command to the associated nodes, Basic set command to the associated nodes. Switch multilevel set command to the associated nodes.

Dimensions 50\*50\*16mm Working current: 36m A Standby current: 3uA II . INSTALLATION Open the cover Open the cover, as the figure below shows.

Single LIR2450 3.6V Battery

868.42MHz (EU) 908.42MHz (US)

About 30m indoors (depending

More than 100m outdoors

on building materials)

-10~50°C 0%~85%

921.42MHz (AU)

0~40°C

2. Specifications

Power supply:

Radio protocol

Range:

Diagram 1

Button ID

Diagram 2:

Button ID

Any button

Button 1

Button 2

Button 3

Button 4

Scene Number

Group ID

Radio frequency:

Storage environment:

Operational temperature: