

### Federal Communications Commission Statement

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This equipment has been followed to comply with Part 15 of the FCC Rules. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, 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 and correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna,
- Increase the separation between the equipment and receiver,
- Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

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 undesirable operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### Limited Warranty

Vision Guarantees that every Wall Remote is free from physical defects in material and workmanship under normal use for one year from the date of purchase. If the product proves defective during this one-year warranty period, Vision will replace it free of charge. Vision does not issue any refunds. This warranty is extended to the original end user purchase only and is not transferable. This warranty does not apply to : (1) damage to units caused by accident, dropping or abuse in handling, or any negligent use; (2) units which have been subject to unauthorized repair, taken apart, or otherwise modified; (3) units not used in accordance with instruction; (4) damages exceeding the cost of the product; (5) transit damage, initial installation costs, removal cost, or reinstallation cost. For information on additional devices, please visit us at [www.visionsecurity.com.tw](http://www.visionsecurity.com.tw)



## Installation & Operation Manual

ZT1141IN-5

ZT1141MY-5

ZT1141EU-5

ZT1141RU-5

ZT1141US-5

ZT1141IL-5

ZT1141HK-5

ZT1141KR-5

ZT1141BR-5

ZT1141JP-5

## Wall Remote

## Introduction

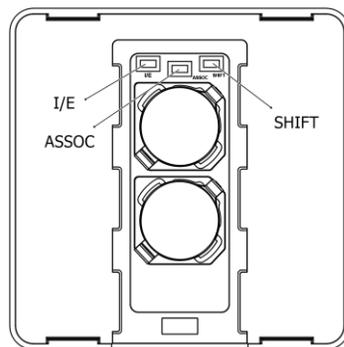
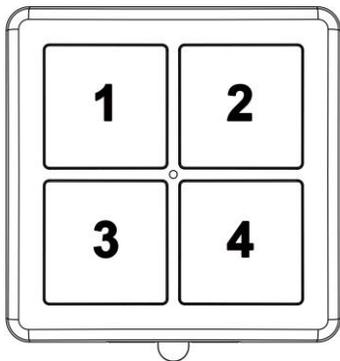
Thanks for choosing the Wall Remote of the home automation device. This Wall Remote is a Z-Wave™ enabled device (interoperable, two-way RF mesh networking technology) and is fully compatible with any Z-Wave™ enabled network. Z-Wave™ enabled devices displaying the Z-Wave™ logo can also be used with it regardless of the manufacturer, and ours can also be used in other manufacturer's Z-Wave™ enabled networks. This device could help you control 4 groups (up to 20 devices) you learned in the gateway.

## Product Description and Specification

Specification:	Package Content:
Protocol: Z-Wave™ (ZM5101N) Frequency Range: 865.22MHz (ZT1141IN-5) 868.10MHz (ZT1141MY-5) 868.42MHz (ZT1141EU-5) 869.00MHz (ZT1141RU-5) 908.42MHz (ZT1141US-5) 916.00MHz (ZT1141IL-5) 919.80MHz (ZT1141HK-5) 920-923MHz (ZT1141KR-5) 921.42MHz (ZT1141BR-5) 922-926MHz (ZT1141JP-5) Operating Range: Up to 100 feet line of sight Operating Temp.: -15°C~ 60°C (5°F ~140°F)	1pc Wall Remote 1pc Installation & Operation manual 2pcs CR2032

### Z-Wave Supported Command Classes:

COMMAND\_CLASS\_ASSOCIATION  
 COMMAND\_CLASS\_ASSOCIATION\_GRP\_INFO,  
 COMMAND\_CLASS\_BASIC  
 COMMAND\_CLASS\_BATTERY  
 COMMAND\_CLASS\_CENTRAL\_SCENE  
 COMMAND\_CLASS\_DEVICE\_RESET\_LOCALLY  
 COMMAND\_CLASS\_FIRMWARE\_UPDATE\_MD\_V2  
 COMMAND\_CLASS\_MANUFACTURER\_SPECIFIC  
 COMMAND\_CLASS\_POWERLEVEL  
 COMMAND\_CLASS\_VERSION  
 COMMAND\_CLASS\_WAKE\_UP\_V2  
 COMMAND\_CLASS\_ZWAVEPLUS\_INFO



## Installation/Operation

Notice: If you are installing the entire Z-Wave™ system for the first time, please refer to the installation guide of Z-Wave™ Interface Controller before installing Wall Remote.

1. **Press “I/E” & “Shift” inside of the battery portion at the same time till 2 seconds, different positions corresponds to different functionalities that described in the following sections.**

2. **Setup Z-Wave Network:**

A) **“Power On” Status:**

- \* Blue LED flashes 5 times and beeps 3 times. (Not included)
- \* Purple LED flashes 5 times and beeps 3 times. (Ever included)

B) To **“Include”** into (adding into) or **“Exclude”** from (removing from) an existing network: Put the Z-Wave™ Gateway or Controller into learn mode to add or remove the Wall Remote into/from your controller. Press button 1 and 4 together till the red LED flashes to be included or excluded. ZT1141 will go to NWI sending mode if adding is not successfully within 2 seconds and it will go to sleep mode after sending 4 times NWI info. ZT1141 will go to sleep if removing is not successfully within 5 seconds.

C) **“Wake Up Notification”**

Press button 2 and 3 together until green LED flashes. Wall Remote will first send NIF (without entering learn mode) and then send Wakeup Notification 5 seconds later.

3. **Low Battery Detection**

After successfully inclusion, ZT1141 will proceed the Low Battery Detection in every hour, the battery report will be sent if voltage is too low.

4. **Wake Up Interval**

Use Wakeup Interval Set command to set wakeup time to send “Wake Up Notification” to assigned node. User could change the auto wake up from 4 minutes to 1 week. The minimal increment interval is 4 minutes.  
 \* Default Value: 6 hours

5. **Battery Capacity Detection:**

Send “Battery Get” command, to have the battery capacity back in %.  
 \* Full Capacity: 3V / Low Battery: 2.7V, +/- 0.1V  
 \* Full Capacity: 0x64 / Low Battery Warning: 0xFF

6. **Switch All ON/OFF:**

\* Open All: Press button 1 and 2 together until the green LED flash once and the Wall Remote will send “SWITCH\_ALL\_ON” command  
 \* Close All: Press button 3 and 4 together until the red LED flash once and the Wall Remote will send “SWITCH\_ALL\_OFF” command

7. **Send Basic Set ON/OFF (Basic Mode)**

- Corresponding Button and Group:

	Button 1	Button 2	Button 3	Button 4
Group	2	3	4	5

(P.S.: The Group Association should be done in advance.)

Short press the corresponding button to switch the group on and the buzzer will beep once, long press the corresponding button to switch the group off and the buzzer will beep twice.

8. **Send Central Scene (Central Scene Mode):**

- \* Only report to Group 1
- \* Short press (each button, press time <1 second):
  - The green LED will flash once and send "Central Scene Notification" command (Key Attribute 0x00) to all Group 1 (Lifeline) Nodes.
- \* Long press (each button, press time >2 seconds):
  - The red LED will keep flashing while long pressing the button and send "Central Scene Notification" command (Key Attribute 0x02) every 150ms to Group 1 Nodes.
- \* Release the button (After long press):
  - The yellow LED will flash while release the button and send "Central Scene Notification" command (Key Attribute 0x01) to the pairing group.
- \* Corresponding Scene Number and Group:

Button 1	Button 2	Button 3	Button 4
Scene ID #1	Scene ID #2	Scene ID #3	Scene ID #4

9. **Mode Switch:**

Press I/E & Shift (inside of the battery portion) at the same time and hold till LED flash.

<b>Basic Mode</b>	Green LED Flash Once	Beep Once
<b>Central Scene Mode</b>	Red LED Flash Once	Beep Twice

10. **Include other devices into Wall Remote's network:**

- \* Wall Remote must be primary controller
- \* Press I/E button until green LED flashes
- \* Wall Remote will go back to sleep if no node info received within 10 seconds.

11) **Exclude other devices from Wall Remote's network:**

- \* Wall Remote must be the primary controller
- \* Press I/E button until red LED flashes.
- \* Wall Remote will go back to sleep if no node info received within 10 seconds.

12) **Association / Disassociation:**

- \* Press ASSOC button till Red LED flashes once, the Green LED will flashes twice after releasing the button. Press one button from 1 ~ 4 within 4 seconds to do the association to the correspondent group, the green LED will flash correspondent time to the relative group.
- \* Association : Green LED flashing correspondent times to the relative group number.
- \* Disassociation: Red LED flashing correspondent times to the relative group number.

13) **Controller Shift**

Press Shift button until LED flashes. (Green LED flashes once then Red LED flashes once.)

14) **Association Set:**

The primary controller could use "Association Set" to ZT1141-5 which support 5 groups; group 1 (Lifeline), group 2~5 (Send Basic ON/OFF).

15) **Factory Default Reset:**

Press 4 buttons together for 10 seconds. The LED colors will turn red then turn green.(Green LED flashes 5 times quickly that means reset completely).

**Remark: This is to be used only in the case of primary controller being inoperable or otherwise unavailable.**

16) **Data Recovery:**

All the setting value will be same after power off and power on again.

17) **Support OTA Firmware Update.**

18) **All the rest unaddressed commands followed Z-WAVE standard.**