



Minoston™

ZW922 Wall Remote User Manual



FCC

Federal Communications Commission (FCC) Statement 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.

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.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the 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: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an 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 equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

IC Caution:

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

DECLARATION DE CONFORMITE D'INDUSTRIE CANADA

Ce périphérique a été testé et reconnu conforme aux limites spécifiées dans RSS-210.

Son utilisation est soumise aux deux conditions suivantes :

- (1) il ne doit pas provoquer d'interférences gênantes et
- (2) il doit tolérer les interférences reçues, notamment celles susceptibles d'en perturber le fonctionnement.

WARRANTY

Minoston Products warrants this product to be free from manufacturing defects for a period of two years from the original date of consumer purchase. This warranty is limited to the repair or replacement of this product only and does not extend to consequential or incidental damage to other products that may be used with this product.

This warranty is in lieu of all other warranties, expressed or implied. Some states do not allow limitations on how long an implied warranty lasts or permit the exclusion or limitation of incidental or consequential damage, so the above limitations may not apply to you.

This warranty gives you specific rights, and you may also have other rights which vary from state to state. If the unit should prove defective within the warranty period.

WARNING

RISK OF FIRE

RISK OF ELECTRICAL SHOCK

RISK OF BURNS

CONTROLLING APPLIANCES:

EXERCISE EXTREME CAUTION WHEN USING Z-Wave® DEVICES TO CONTROL APPLIANCES. OPERATION OF THE Z-Wave® DEVICE MAY BE IN A DIFFERENT ROOM THAN THE CONTROLLED APPLIANCE, ALSO AN UNINTENTIONAL ACTIVATION MAY OCCUR IF THE WRONG BUTTON ON THE REMOTE IS PRESSED. Z-Wave® DEVICES MAY AUTOMATICALLY BE POWERED ON DUE TO TIMED EVENT PROGRAMMING.

DEPENDENT UPON THE APPLIANCE, THESE UNATTENDED OR UNINTENTIONAL OPERATIONS COULD POSSIBLY RESULT IN A HAZARDOUS CONDITION. FOR THESE REASONS, WE RECOMMEND DO NOT RETURN THIS PRODUCT TO THE STORE THE FOLLOWING:

DO NOT USE Z-Wave® DEVICES TO CONTROL ELECTRIC HEATERS OR ANY OTHER APPLIANCES WHICH MAY PRESENT A HAZARDOUS CONDITION DUE TO UNATTENDED OR UNINTENTIONAL OR AUTOMATIC POWER ON CONTROL.

Specifications

ITEM	INFORMATION
Model	ZW922
Power Supply	CR2032(3.0V) 2PC
Signal(Frequency)	908.42/912/916/920MHz
Range	Up to 100 feet line of sight between the Wireless Controller and the closest Z-Wave® receiver module.
Operating Temperature Range	5-104° F (-10-40° C)

- Specifications subject to change without notice due to continuing product improvement
- Website:

Introduction

This product can be operated in any Z-Wave network with other Z-Wave Plus® certified devices from other manufacturers. This product is a Multipurpose Sensor, it have door/window sensor and Temperature Humidity sensor.

This product is a battery power ,It's sleep most of the time.

ZW922 is a security enabled Z-Wave Plus® device. A security Enabled Z-Wave Plus® Controller must be used in order to fully utilize the product.

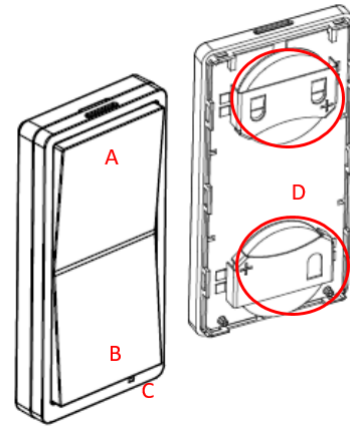
- GENERIC_TYPE: **GENERIC_TYPE_WALL_CONTROLLER**
- SPECIFIC_TYPE: **SPECIFIC_TYPE_NOT_USED**

Key Features

- Support Scenes
- Support SmartStart
- Support Long Range
- Support Association Group.
- Support firmware upgrades via Over-the-air (need Gateways support)

Product Overview

- A. Button 1 / B. Button 2
- C. LED Instructions
- D. Power: CR2032 3.0V



Button Function Description

• **Add/Include the device to network:**

- Press the **BUTTON 1** 6 times, device will blink **BLUE** during inclusion if not connected to Z-Wave hub.
- Device will stay on **GREEN** for 2 seconds if included successfully, stays on **RED** for 2 seconds if failed.

• **Remove/Exclude the device to network:**

- Press the **BUTTON 2** 6 times, device will blink **PURPLE** during inclusion if not connected to Z-Wave hub.
- Device will stay on **GREEN** for 2 seconds if excluded successfully, stays on **RED** for 2 seconds if failed.

• **Wake up:**

- Press the **BUTTON 1** 7 times, device will stay solid **BLUE** when awake and will turn off when device goes back to sleep.

• **Factory reset:**

1. Make sure the device is powered
2. tap-tap'and'hold the **BUTTON 2**. The LED indicator will blink red 5 times to indicate successful reset.

Scene Function

• **Support Scene number: 2**

Scene Number	Button	Attribute
1	Button 1	1-Tap/2-Tap/3-Tap/4-Tap/5-Tap/Held/Released
2	Button 2	1-Tap/2-Tap/3-Tap/4-Tap/5-Tap/Held/Released



Adding Your Device To Hub

- The device support two methods of inclusion, When using a Z-Wave Plus® certified controller choose Network Wide Inclusion or SmartStart.
- Network Wide Inclusion To A Z-Wave® Network
 - Refer to your primary controller instructions to process the inclusion / exclusion setup procedure.
 - When prompted by your primary controller, click the Z-Wave button 6-tap times in one second.
- The device is compatible with SmartStart.

SmartStart enabled products can be added into a Z-Wave® network by scanning the Z-Wave QR Code found on the top of the outlet or the back of the box with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on and in the network vicinity.

QR Code and DSK

- The QR code are stocked to the side of the case, DSK is included in the QR code.
- The DSK code can be found on the DSK label which is attached on the packaging box.

PACKAGE	DEVICE
	

Command Class

Command Class Name	Version	Required Security Class
Z-Wave Plus Info	V2	none
Configuration	V4	highest granted
Association	V2	highest granted
Multi Channel Association	V3	highest granted
Association Group Information	V3	highest granted
Transport Service	V2	none
Version	V3	highest granted
Manufacturer Specific	V2	highest granted
Device Reset Locally	V1	highest granted
Power Level	V1	highest granted
Security 2	V1	none
Supervision	V1	none
Firmware Update Meta Data	V5	highest granted
Battery	V1	highest granted
Central Scene	V3	highest granted
Indicator	V3	highest granted
Wake Up	V2	highest granted

Basic Set Mapping

- Basic CC does not map to any Command Class.

Indicator Command Class

- The indicator will flashes according the indicator set command received from HUB.

Indicator ID	Property ID
0x50 (NODE IDENTIFY)	0x03(ON OFF PERIOD)
0x50 (NODE IDENTIFY)	0x04(ON OFF CYCLES)
0x50 (NODE IDENTIFY)	0x05(ONE TIME ON OFF PERIOD)

Association Group

ID	Name	Node Count	Profile	Function
1	Lifeline	10	General: Lifeline	Device Reset Locally Notification Battery Report Indicator Report Central scene report Central scene configuration report
2	BASIC SET Group	10	CONTROL_KEY01	Basic Set
3	SWITCH_MULTILEVEL CHANGE	10	CONTROL_KEY01	Basic Set

Configuration Parameters

Number	Name	Information	Format / Size	Read Only	Altering	Advanced	MIN	MAX	Default
1	Led Indicator Mode	Set indicator behavior.	1 byte unsigned integer	NO	NO	NO	0	3	1
2	Button Upper Color	Color of button upper when pressed	1 byte unsigned integer	NO	NO	NO	0	6	1
3	Button Lower Color	Color of button lower when pressed	1 byte unsigned integer	NO	NO	NO	0	6	0
4	Wake up time	Set to keep wake up 30s	1 byte unsigned integer	NO	NO	NO	0	1	0
5	Rate for multilevel start	Rate for multilevel set association group	1 bytes unsigned integer	NO	NO	NO	0	99	0