EVALOGIK™

S2 Smart Remote Switch Manual

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 caus 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.
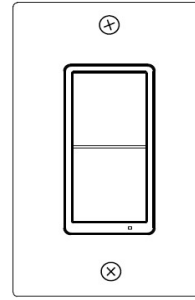
IC Caution:

This device complies with Industry Canada licence-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 re.ues, notamment cellessusceptibles d'en perturber le fonctionnement.

WARRANTY

SPECIFICATIONS

Model:ZW922
Power: 2*CR2032 batteries
Signal (Frequency): 908.42 MHZ.

Range: Up to 100 feet line of sight between the Wireless Control and the closest Z-Wave™ receiver module.
Operating Temperature Range: 32-104°F (0-40°C)

Specifications subject to change without notice due to continuing product improvement

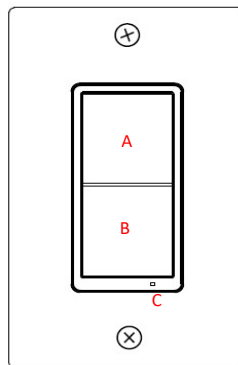Website:www.nie-tech.com

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 ANUNINTENTIONAL 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. DEPENDING 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.

S2 Smart Remote Switch

Introduction:

This product can be operated in any Z-Wave™ network with other Z-Wave Plus™ certified devices from other manufacturers.
All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.
Each module is designed to act as a repeater,which will re-transmit a radio frequency (RF) signal by routing the signal
around obstacles and radio dead spots to ensure that the signal is received at its intended destination.
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.
The Device Type of the ZW922 is PORTABLE REMOTE CONTROLLER
The Role Type of the ZW922 is Reporting Sleeping Slave Role Type

Product Overview:

A.   Up Push button
B.   Down Push button
C.   LED indicator

Key function description

Function 1:   Tap A(1x/2x/3x/4x/5x/Hold/Release) Activate the scene.
Function 2:   quickly press 6x upper paddle: ADD (inclusion) (only if switch is not included in network)
Function 3:   quickly press 6x lower paddle: Remove (exclusion)
Function 4:   quickly press 7x upper paddle: Wake up
Function 4:   tap-tap-tap' and' hold to reset, LED indicator will blink red 5 times to confirm successful reset
              (Node:Please use this procedure only when the network primary controller is missing or otherwise inoperable.)

Adding Your Device To A 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
    1,Refer to your primary controller instructions to process the inclusion / exclusion setup procedure.
    2,When prompted by your primary controller, click the Up or Down button six times in one second.
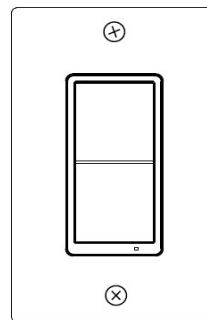 The device is compatible with SmartStart
   SmartStart enabled products can be added into a Z-Wave™ network by scanning the Z-Wave™ QR Code found on the top of the outlet or the back of
the box with a controller providing SmartStart inclusion.No further action is required and the SmartStart product will be added automatically within
10 minutes of being switched on and in the network vicinity.

QR CODE

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

Command Class

Command Clas	Version	Required Security Class
Z-Wave Plus Info	V2	none
Configuration	V4	highest granted
Central Scene	V3	highest granted
Association	V3	highest granted
Multi Channel Association	V4	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
Powerlevel	V1	highest granted
Security 2	V1	none
Supervision	V1	none
Fimware Updata Meta Data	V5	highest granted
Battery	V1	highest granted
Indicator	V3	highest granted
Wake Up	V2	highest granted

You may use the below configuration parameters to change settings of the corresponding functionality.

1: LED Indicator Mode

      Paramter No: 1(0x01)   Size:1 Byte   (default=1)
                              Value: 00   LED always off
                              Value: 01   LED normal mode
                              Value: 02   LED always on in color specified in Parameter 2
                              Value: 03   LED always on in color specified in Parameter 3

2: LED Indicator Color for Upper paddle remote control (Scene 1 activation)

      Paramter No: 2(0x02)   Size:1 Byte   (default=1)
                              Value: 00   White
                              Value: 01   Blue
                              Value: 02   Green
                              Value: 03   Red
                              Value: 04   Magenta
                              Value: 05   Yellow
                              Value: 06   Cyan

3: LED Indicator Color for Lower paddle remote control (Scene 2 activation)

      Paramter No: 3(0x03),   Size=1 Byte   (default=0)
                              Value: 00   White
                              Value: 01   Blue
                              Value: 02   Green
                              Value: 03   Red
                              Value: 04   Magenta
                              Value: 05   Yellow
                              Value: 06   Cyan

Support for Association Groups

ZW922 supports 3 association groups. Group 1 supports 1 node ID,Group 2 and Group 3 Supports maximum of 5 node ID's

Association group_1:Z-Wave Plus™ Lifeline

      Association group_1 is default to associate with the primary controller (Gateway/Hub/Controller) for ZW922 Status change report,

          1. ZW922 will trigger AUTO report function if the Switch status had been changed.

                (ex.Battery Report/Central Scene Notification/ Device Reset Locally Notification/Indicator Report)

    Association group_2:BASIC SET

              1:Up button press 1x send basic set 0xff

              2:Down button press 1x send basic 0x00

    Association group_3:SWITCH_MULTILEVEL_CHANGE

              1:Up/Down button hold more than 0.5s send SWITCH_MULTILEVEL_START_LEVEL_CHANGE(Dim Up/Dim Down)

              2:Up/Down button release send SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE

Restoring Factory Defaults

ZW922 is removed from the network and will be restored to the factory setting

All Configuration Parameters values and Association information will be restored to factory default settings and excluded from the network.

Manual Reset:tap-tap-tap' and' hold to reset, LED indicator will blink red 5 times to confirm successful reset

Remark : All the setting and data will be permanently deleted.

Please use this procedure only when the network primary controller is missing or otherwise inoperable.