

Z-Wave Home Automation Solutions

Being one of the most advanced Home Automation systems to date, Z-Wave is dependable, affordable and most importantly easy to assemble without laying down expensive cables.

The whole Z-Wave Home Automation system is based around the central home controller. It monitors the states of the devices around it and sends the information to the central controller using a secure encrypted channel or to your smartphone or PC using an internet connection. It allows the user to remotely change the state of their devices using a smartphone by first decrypting a message and then forwarding it to the desired device. The central home controller can also be set to automatically turn devices ON/OFF when a sensor is tripped.

Z-Wave devices are not only able to communicate with the home controller but also any nearby devices in the network. They are also capable of forwarding commands from the home controller to neighboring devices, effectively increasing the range of your network and assuring its responsiveness is not only fast but also reliable.

For example you can configure your Z-Wave system to automatically turn on the siren when a motion sensor is tripped. You can also configure your Z-Wave network to send you automated notifications via SMS or email and to save pictures or footage depending on which devices become tripped in your home. You can arm or disarm your system on the go with your smart phone or at home with a conveniently placed switch. You can schedule your light go ON and OFF depends on time of the day, your presents at home or other triggers or events. Not only does Z-Wave allow you to remotely monitor and control your home it also allows you to create unlimited scenarios to enhance your way of life. You can automatically switch on your sirens when an alarm is triggered or turn off your child's night lamp when they fall asleep. The list is endless...

You don't have to build your entire home automation system in one go. You can add new devices to your Z-Wave network whenever you wish allowing you to tailor your system to your ever-changing needs.

The DHS Z-Wave In-Wall Double Switch DHS-LIT-SWW-DHS-02 is Z-Wave switch device specifically designed for use in smart homes and offices.

The product allows to switch on/off attached circuits wirelessly using a Z-wave enabled (AUS/NZ version 921.42 MHz) controllers (compatible universal remote controllers, control panels, gateways, PC with Z-Wave USB dongle) or manually via connected manual switch.

This switch can act as a wireless repeater to ensure that commands intended for another device in the network are received. This is useful to eliminate "RF dead spots" when the radio range of the Z-Wave network is influenced. This function is part of the Z-Wave network functionality and is set up via Z-Wave controller.

Package Contents

DHS Z-Wave InWall Double Switch Manual

Specifications:

Item	Description
RF Protocol	Z-Wave , ISO15693, ISO18000-3,
Z-wave device type	BINARY SWITCH, ROUTING SLAVE
Operating Voltage	AC 230V / 50Hz
RF Frequency	921.42Mhz AU/NZ
Operating humidity:	30% to 80%
Operation Range	Up to 30m when no obstacles
Application	Indoor use only
Operation Temperature	0 ° C to 50 ° C
Storage Temperature	10 – 80 °C
Weight	70g
Housing	ABS
Compliance	AS/NZS 4268:2008, AS/NZS CISPR 14.1, IEC60669-2-1

Please note:

In Australia and New Zealand the installation **must be done by certified electrician.**

Buttons on the wall plate have to be **Bell Press type** (e.g. push-button Saturn Series 60PBPP or similar). Two state switches will not work properly.

Please check the maximum load before installing or operating. The device must not exceed **6A**.

This switch **does not support 2 or 3 way** wired switching.

Specifications are subject to change without further notice

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DHS One (1) Year Limited Warranty

Digital Home Systems Pty Ltd warrants this DHS branded hardware product against defects in materials and workmanship under normal use for period of one (1) year from the date of retail purchase by the original end user purchaser ('Warranty Period'). PLEASE NOTE: breaking security label will void the warranty.

Terms and conditions

To see complete terms and conditions browse to http://www.digitalhomesystems.com.au/images/stories/DHS_Terms_and_conditions.pdf



Quick Installation Guide



DHS Z-Wave InWall Double Switch

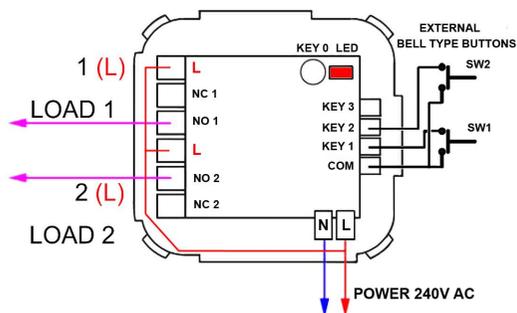
CATALOGUE NO:
DHS-LIT-SWW-DHS-02



1 Installation

Mounting

- 1 | It is recommended that you wire your Switch Controller and include it into Z-Wave network before mounting it in a wall cavity. Length of wires between manual button and device must be less than 0.5m.
- 2 | Please note! This device design for Australia/New Zealand only.
- 3 | Z-Wave In-Wall Switch has to be connected to the load, power circuits and to the manual switch as per wiring diagram below:



Inclusion in Z-Wave network

Method 1 - Network Wide Inclusion (NWI) - PREFERRED METHOD

- 1 | Start inclusion procedure on your controller.
- 2 | Connect the Z-Wave In-Wall Double Switch to the load. Power it up as per instructions in the section INSTALLATION above. The Z-Wave controller (Gateway) and Z-Wave In-Wall Double Switch must be in the range of your Z-Wave network, but not necessarily very close to each other.

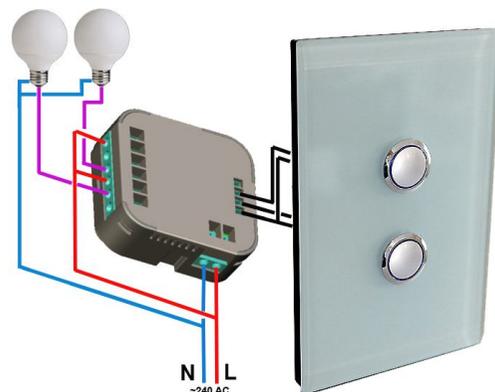
Method 2 - Manual Inclusion

- 1 | Connect the Z-Wave In-Wall Double Switch to the load, power circuits and the manual switch as per instructions in the section INSTALLATION above.
- 2 | Start inclusion procedure on your controller and when requested press and release the connected manual momentary switch or the round button on the device. During the whole procedure controller (Gateway) and Z-Wave In-Wall Double Switch should be in close proximity of 50cm. Successful inclusion will be indicated by your Z-Wave remote controller (Gateway). In case inclusion was not successful, try the procedure again or reset network settings by running exclusion procedure (see below).
- 3 | Once the Z-Wave In-Wall Switch has been added into your Z-Wave home network successfully, you will see three virtual devices: one common and two separate ones representing individual relays / controlled circuits. Refer to your Z-Wave controller (Gateway).
- 4 | Now, you can control two lighting circuits via your Z-Wave Gateway.

THIS SWITCH CAN BE SET UP PROPERLY AS DOUBLE SWITCH IN Z-WAVE CONTROLLERS SUPPORTING MULTICHANNEL COMMANDS (e.g. VERA3/Lite, Fibaro, REMOTEC) AND CAN HANDLE TWO SEPARATE LOADS

2 Operation

Manual operations



Example of wiring with Clipsal Saturn range 2 gang wall plate and two 30/60PBBPL Bell Press Mechanism.

Press and release the button on the connected Bell switch to switch on / turn off the connected light. Once the light is on you can switch ON/OFF the light by pressing and releasing the manual switch button connected to the device.

Remote operations

After successful inclusion DHS Z-Wave In-Wall Double Switch will be represented in the home controller interface by three icons: one main representing both relays together and two icons representing individual relays with buttons ON and OFF which you can use to turn ON and OFF relays on the connected separate circuits.

Association with other Z-wave devices (e.g. motion sensor) – general instructions

- 1 | Include the Z-Wave In-Wall Double Switch into your Z-Wave home network.
- 2 | Start association procedure on your controller and when requested press and release the connected manual momentary switch or the round button on the device.

3 Troubleshooting

NOTE: Before including the product to your Z-wave network it is advised to perform exclusion procedure to reset network settings.

Exclusion from Z-Wave network

- 1 | Z-Wave In-Wall Switch has to be connected to the load, power circuits and to the manual switch as per instructions in the section INSTALLATION above.
- 2 | Start exclusion procedure on your controller and when requested by your controller press and release the connected manual momentary switch or the round button on the device. During the whole procedure the controller and Z-Wave In-Wall Switch should be close proximity of not more than 50cm.
- 3 | Successful exclusion will be indicated by your Z-Wave remote controller. LED on the Z-Wave In-Wall Switch will start slow blinking. In case exclusion was not successful, try the procedure again.

SAFETY INSTRUCTIONS

Always read the safety instructions carefully:

- Keep this User's Manual for future reference
- Keep this equipment away from heat, direct sunlight, high humidity and any liquid.
- This product is for indoor use only inside dry wall cavity or similar environment. Keep enough space around for ventilation.
- Do not connect to the load bigger than maximum approved for this product
- Do not connect to the non-compatible load
- If the product's enclosure, is damaged, it shall be replaced by the manufacturer or its service agent or similarly qualified person in order to avoid a hazard
- Do not attempt to repair this product. If the product is damaged or if you are in doubt about the proper operation, take the product back to the place of purchase.
- Do not paint.
- DO NOT INSTALL THIS DEVICE INSIDE SEALED ENCLOSURES AND METAL BOXES. ALWAYS LEAVE ROOM FOR VENTILATION.
- INSTALLATION MUST BE DONE BY CERTIFIED ELECTRICIAN.