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Z-Wave InWall Dimmer



DHS-ZW-DMIW-01

User Guide



Z-Wave Technology for Automated Homes

Z-Wave is a state-of-the-art wireless technology used as a standard for wireless home control. It is a next-generation wireless ecosystem that lets all your home lighting systems and electronics talk to each other, and to you, via a controller or a gateway. It uses simple, reliable, low-power radio waves that easily travel through walls, floors and cabinets. All products in Australian / New Zealand version (921.4h MHz) featuring the Z-Wave logo are certified to work smoothly with each other.

Product Overview

The DHS In-Wall Dimmer DHS-ZW-DMIW-01 is effective Z-Wave dimming device specifically designed for use in smart homes and offices.

The product allows to dim and switch on/off attached lighting 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.

The dimmer 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 deadspots" 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.

Installation

Please check the maximum load and compatible load type for the product before installing or operating.

Please note:

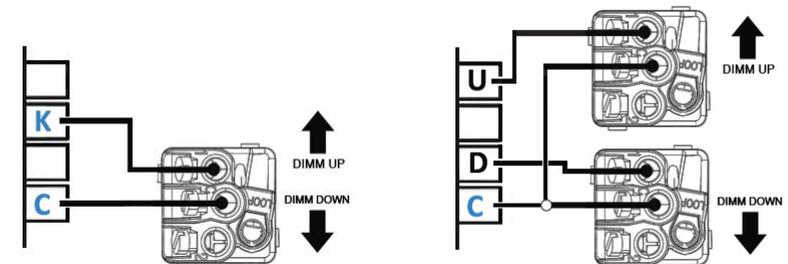
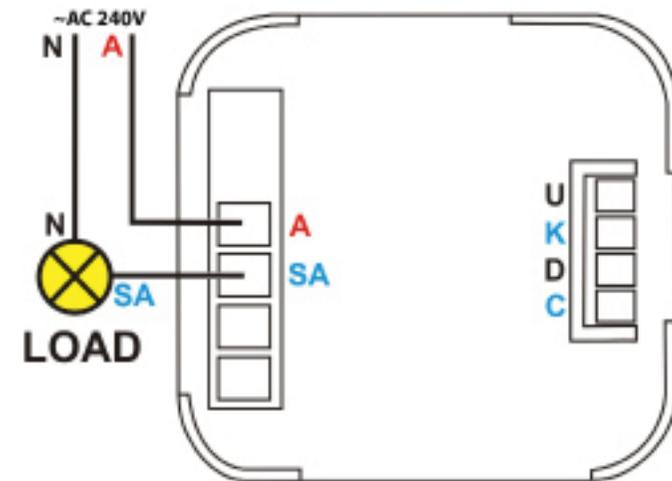
in Australia and New Zealand the installation must be done by certified electrician.

Manual Operations

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 dim up or dim down the light by pressing and holding the manual switch button connected to the device. Please note that for safety purpose, there is a minimum level of illumination (25%) set up when dimming down the connected light. To switch it off completely you need to press and release the button on the manual switch again.

After manual dim operations, the current level of illumination may not be automatically updated on some controllers (gateways). To update current illumination level user has to refresh or change illumination level via a controller (gateway).



You need to connect a load to the dimmer before setting up remote / Z-Wave network functionality.

Note that the light will blink for a few seconds during the first "switch on" manual operation, after the initial installation. This is an indication that the dimmer is recognizing the type of the connected load.

You may setup your dimmer and include into Z-Wave grid before mounting in wall cavity.

Z-Wave Operations

NOTE:

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

The Z-Wave In-Wall Dimmer must be included into your Z-Wave home network before it can send and receive Z-Wave commands. The Z-Wave In-Wall Dimmer can only communicate to devices within the same Z-wave home network.

Always follow your controller's specific instructions for Z-Wave inclusion, exclusion, association and control operations.

Inclusion to Z-wave home network – general instructions

1. Connect the Z-Wave In-Wall Dimmer to the load, power circuits and to 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 round button on the product's enclosure. During the whole procedure controller (Gateway) and Z-Wave In-Wall Dimmer must be close proximity of not more than 15cm. 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 Dimmer has been added into your Z-Wave home network successfully, you may need to assign it to a specific button on your controller (Gateway). Refer to your Z-Wave controller (Gateway) / panel for instructions on how to do this.
4. Now, you can control your lamp via your Z-Wave Gateway or other controller.

Exclusion from Z-wave home network – general instructions

1. Install Connect the Z-Wave In-Wall Dimmer 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 press and release the round button on the product's enclosure. During the whole procedure the controller and Z-Wave In-Wall Dimmer must be close proximity of not more than 15cm.
3. Successful exclusion will be indicated by your Z-Wave remote controller. LED on the Z-Wave In-Wall Dimmer will start slow blinking. In case exclusion was not successful, try the procedure again.

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

1. Include the Z-Wave In-Wall Dimmer into your Z-Wave home network.
2. Start association procedure on your controller and when requested press and release the round button on the device.

SAFETY INSTRUCTIONS

Always read the safety instructions carefully:

- Keep this User's Manual for future reference
 - Keep this equipment away from 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.
 - Only connect equipment that is suitable for dimming
 - 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 INSTALL THIS DEVICE INSIDE SEALED ENCLOSURES AND METAL BOXES. ALWAYS LEAVE ROOM FOR VENTILATION.
- INSTALLATION MUST BE DONE BY CERTIFIED ELECTRICIAN.

Technical Specifications

RF Protocol:	Z-Wave (Multilevel Command Class)
Z-Wave device type:	Z-wave multiple level dimmer, routing slave
Connections type:	Wiring
Operating Voltage:	AC 230V / 50Hz
Max/Min Loading:	300W/50W 2.5A
Dimming interval:	1% with safety minimum set up at 25%
Dimmer type:	Universal, compatible with electronic transformers (Trailing Edge and Leading Edge). Does not compatible with iron core transformers.
RF Frequency:	921.42Mhz - AU/NZ approved RF for Z-Wave
Operation Range:	Up to 30m when no obstacles
Application:	Indoor use only
Operation temperature:	0 ~ 55 °C
Storage temperature:	10 ~ 80 °C
Weight:	70g
Housing:	ABS
Compliance:	AS/NZS 4268:2008, AS/NZS CISPR 15, IEC60669-2-1
RCM:	N5496
Load compatibility:	Incandescent globes, High Voltage Halogens, Low Voltage Halogens with electronic transformers Trailing Edge or Leading Edge type only.

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