



PID 11990

Z - Wave

IN-WALL ON/OFF DUAL RELAY MODULE

Thank you for purchasing this Z-Wave™ In-Wall On/Off Dual Relay Module from Monoprice!

This module is a wireless Z-Wave enabled device and is fully compatible with any Z-Wave enabled network. Z-Wave is an interoperable, two-way RF mesh networking technology used for home automation and security. Every AC powered Z-Wave device acts as a signal repeater, so multiple devices result in more possible transmission routes, which helps eliminate RF "dead spots" in the network. Any Z-Wave enabled device displaying the Z-Wave logo can be used with Z-Wave devices from other manufacturers.

This module allows you to independently turn two appliances on or off wirelessly, using the Z-Wave controller. You can also manually turn the appliances on/off using wall switches wired to the module. As an AC powered Z-Wave device, it will act as a Z-Wave repeater (supporting FLiRS).

USER's MANUAL

PACKAGE CONTENTS

After receiving the product, please inventory the contents to ensure you have all the proper parts, as listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

1x Z-Wave In-Wall On/Off Dual Relay Module

1x User's Manual

SPECIFICATIONS

Protocol: Z-Wave

Operating Frequency: 908.42 MHz

Operating Range: up to 100 feet line of sight

Operating Temperature: +5 ~ +140°F (-15 ~ +60°C)

Operating Voltage: 100 ~ 240 VAC, 50/60Hz

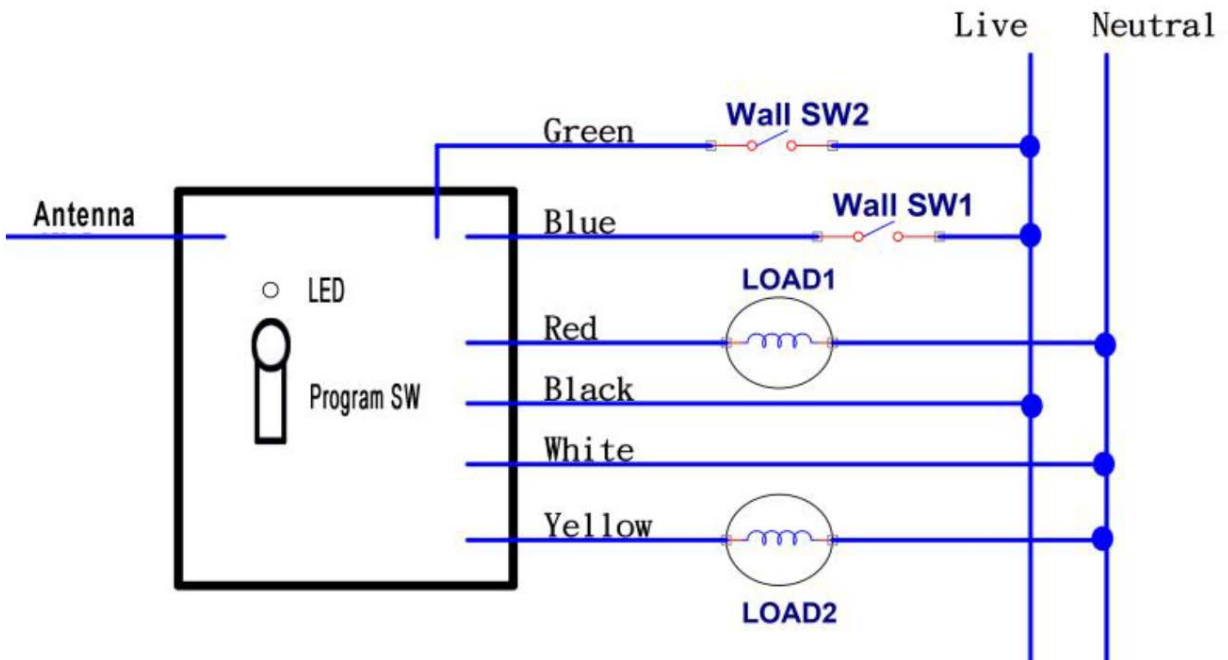
Maximum Resistive Load: 550W for 110VAC, 1100W for 220VAC

INSTALLATION

Note: If you are installing a complete Z-Wave system for the first time, please refer to the installation guide of your Z-Wave Interface Controller before installing this module.

Warning! Installation of this module requires connecting to household AC wiring. Ensure that the power is off before doing any electrical work. If you are not 100% comfortable working with AC wiring, hire a professional electrician to perform the installation.

Use the following wiring diagram to install the module in a system with two wall switches and two appliances. Note that the module can fit into most electric boxes. For best results, ensure the antenna is located away from metal and as close to the wall as possible.



INCLUSION

Now that the module is in its final location, it can be "included" into the network. Bring your Z-Wave Interface Controller to the sensor's location. The distance between the controller and the module should be less than 1 meter during the "inclusion" process.

1. Following the instructions that came with your Z-Wave Controller, put the controller into "include" mode.
2. When prompted, turn the wall switch on and off four times or press the Program Switch on the module four times. This completes the "inclusion" process.

EXCLUSION

If you wish to remove the module from your network, you will need to "exclude" it.

1. Following the instructions that came with your Z-Wave Controller, put the controller into "exclude" mode.
2. When prompted, turn the wall switch on and off four times or press the Program Switch on the module four times. This completes the "exclusion" process.

RESET TO DEFAULT

To reset the module to the factory default settings, perform the following steps:

1. Ensure that the wall switch is off.
2. Press and hold the Program Switch. While holding the switch, turn on the wall switch.
3. The LED on the module will begin flashing, indicating that it is no longer included in a Z-Wave network.

OPERATION

You can turn the appliances connected to this module on or off manually, using the wall switch, or wirelessly, using the Z-Wave controller. Use the following codes for wireless operation:

ON: Binary Switch Set **0xFF**

OFF: Binary Switch Set **0x00**

Refer to your Z-Wave Controller's documentation or contact the Controller's manufacturer for a complete list of the Command Classes that it supports.

Z-WAVE COMMAND CLASS

This module supports the following Z-Wave commands:

COMMAND_CLASS_ASSOCIATION
COMMAND_CLASS_MANUFACTURER_SPECIFIC
COMMAND_CLASS_MULTI_CHANNEL_V3
COMMAND_CLASS_SWITCH_ALL
COMMAND_CLASS_SWITCH_BINARY mapping
COMMAND_CLASS_BASIC
COMMAND_CLASS_VERSION

TECHNICAL SUPPORT

Monoprice is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website (www.monoprice.com) during regular business hours, 7 days a week. You can also get assistance through email by sending a message to tech@monoprice.com

FCC STATEMENT

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 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 undesired 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.