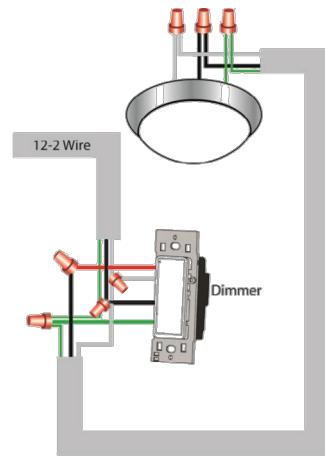
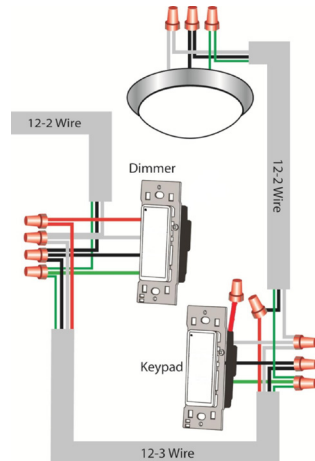


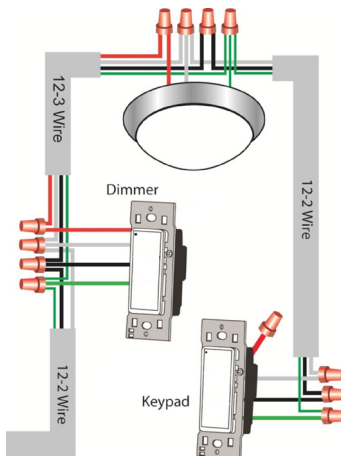
Connection Diagram



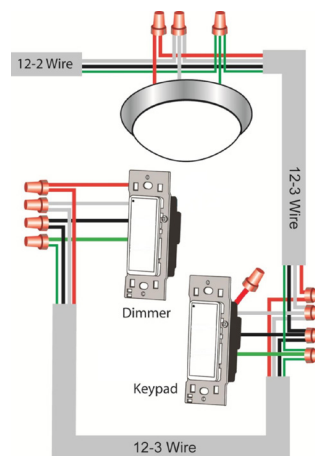
Three-Way with Load at End of Circuit



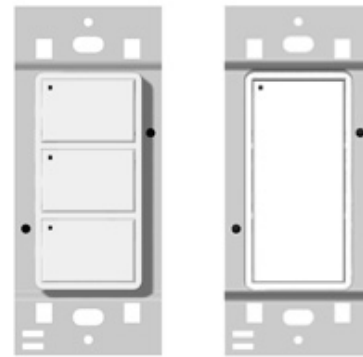
Three-Way with Load in Middle of Circuit



Three-Way with Load at Beginning of Circuit



INSTALLATION GUIDE



VILLA IN-WALL S

WARNING!

READ THESE INSTRUCTIONS BEFORE INSTALLING SWITCH

Specifications and Supported Loads

This switch is designed to work with Villa Smart Home. It mounts in a standard wall box and follows conventional wiring standards. The device can be controlled by other devices in the Villa Smart Home network.

Power:

120 VAC 60Hz

Supported Loads:

120 VAC 800 W Incandescent (Single Gang)

120 VAC 800 W Halogen (Single Gang)

120 VAC 1000 W Fluorescent (**Relay Only**)

120 VAC 1000 VA Magnetic Low Voltage

Transformer (**Relay Only**)

120 VAC 1000 VA Electronic Low Voltage

Transformer (**Relay Only**)

If a dimmer switch is installed in a multi-gang wall box, the device must be derated to 600W.

WARNING!

- To reduce the risk of serious injury or death, turn power OFF before installing this product.
- This device must be installed by competent licensed electricians.
- This product must be grounded in accordance to NEC and local requirements.

In-Wall Switch Installation

1. Confirm that the intended installation location conforms to the following requirements:

- Wall box must meet box size requirements specified by the NEC (National Electric Code).
- Installation will be completed according to national and local codes.
- The load being controlled **does not exceed 800 W** for dimmers or **1000 W** for relay switches.

2. To avoid **SERIOUS INJURY** or **DEATH**, turn **OFF** the local electrical power feeding the switch location. To disconnect power turn off the breaker or remove the fuse from the fuse box. Verify that there is no power present using a voltage meter or test light.

3. If you are replacing an existing switch, note which wires are the Ground, Circuit Feed (HOT), Load (Switch Leg), and Neutral.

4. Prepare the wires for connection by stripping off the insulation 5/8-in.

5. Connect the Villa switch wires using the supplied wire nuts.

- Connect **GREEN** wire from switch to **GROUND**
- Connect **BLACK** wire from switch to **HOT FEED**
- Connect **WHITE** wire from switch to **NEUTRAL**
- Connect **RED** wire from switch to **LOAD**

6. Test all connections. Fold wires and push them neatly into the wall box. Align the switch in the wall box with the air gap oriented at the bottom. Using the supplied screws, secure the switch in the wall box.

7. Verify that the air gap switch is fully pushed in. Then turn ON circuit breaker or replace the fuse.

8. If the switch is installed properly, the top LED will blink slowly, signifying that the device is working as a independent local device.

9. You should now be able to control the load by tapping the button.

WARNING!

If a direct short is created between the RED wire and GROUND or NEUTRAL, the switch will be damaged and unusable. This type of damage WILL NOT be covered under warranty

For Keypad Function (Three-Way)

Cap **RED** wire on switch, do not connect.

FCC Information

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.

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.

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 the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

