



# LUTRON LMJ-16R-DV-B RF Relay Module with Softswitch Installation Guide

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**LUTRON LMJ-16R-DV-B RF Relay Module with Softswitch**



RF Relay Module

## Installation

with Softswitch

Please read before installing

LMJ-16R-DV-B

**120/277 V~ 50/60 Hz 16 A**  
**1/2 HP at 120 V~ 1 1/2 HP at 277 V~**

LMK-16R-DV-B  
 LMQ-16R-DV-B  
 LMN-16R-DV-B

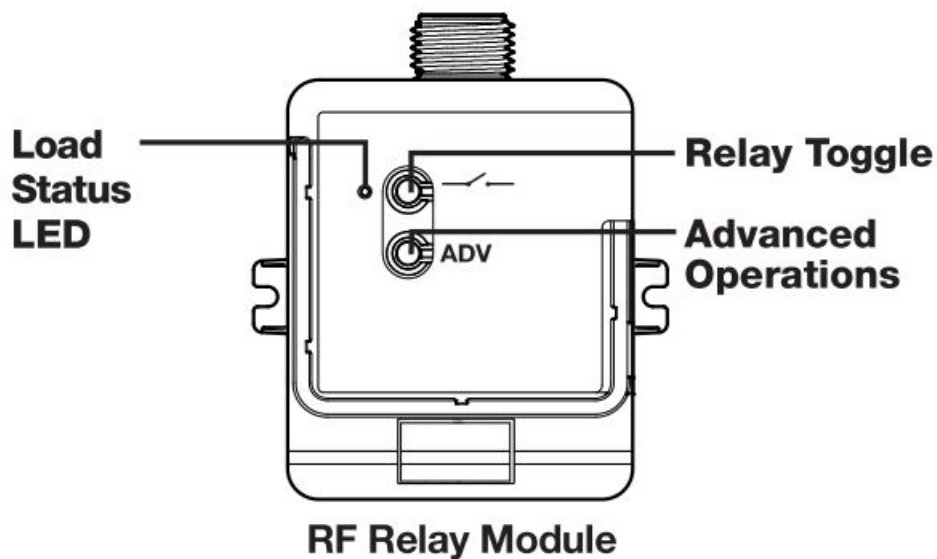
**220–240 V~ 50/60 Hz 16 A**  
**6 A Motor**

**Important Notes:**

- For installation by a qualified electrician in accordance with all local and national electrical codes.
- Note: Use copper conductors only.
- Check to see that the device type and rating is suitable for the application.
- DO NOT install if product has any visible damage.
- If moisture or condensation is evident, allow the product to dry completely before installation.
- Operate between 32 °F to 131 °F (0 °C to 55 °C).
- 0% to 90% humidity, non-condensing.
- For indoor use only.

## RF Relay Module Operation

For System Setup Guide and tools visit [www.lutron.com](http://www.lutron.com)



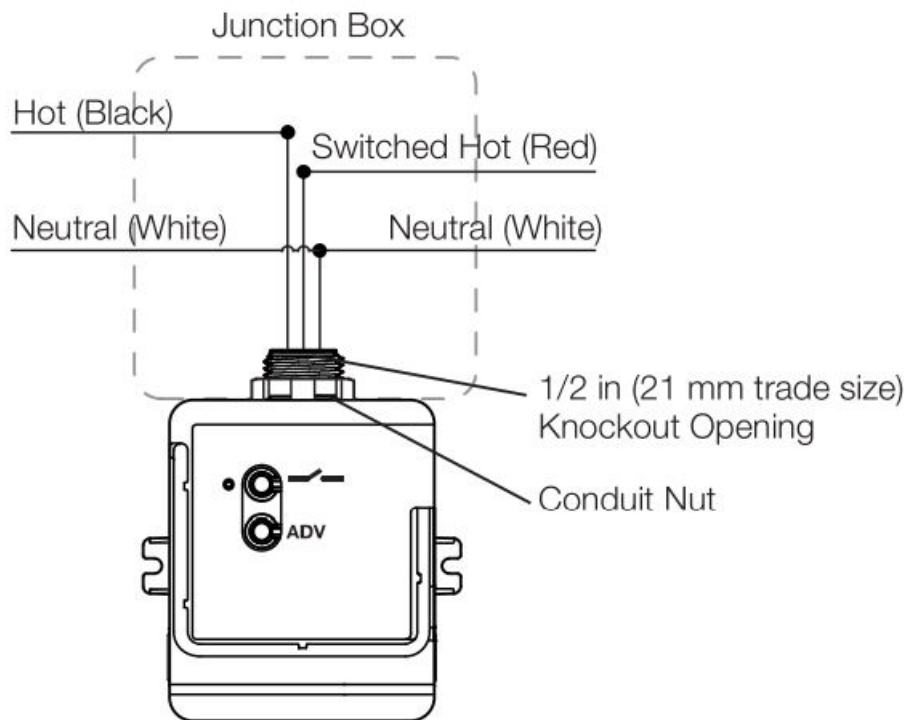
### Installation:

LMJ-, LMQ- models

When installing a RF Relay Module, use the supplied conduit nut and wire the module as shown.

120/277 V~ 50/60 Hz (LMJ- model)

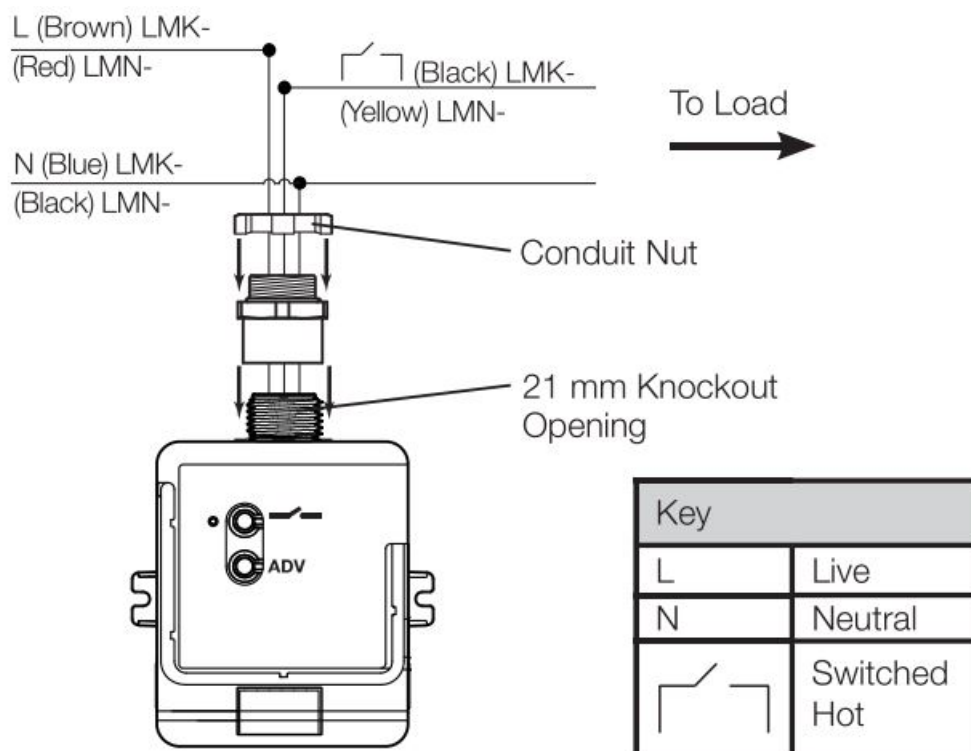
220-240 V~ 50/60 Hz (LMQ- model)



If installing unit inside a junction box, please see Application Note #423.  
For more information: [www.lutron.com](http://www.lutron.com)

#### LMK-, LMN- models

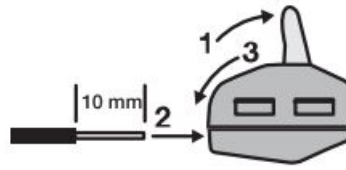
RF Relay Module can be installed in a junction box or marshalling box (optional) using the conduit nut (provided) or with mounting screws (not provided). Please consult local and national electric codes for proper installation.  
220-240 V~ 50/60 Hz



Hereby, Lutron Electronics Co., Inc. declares that the radio equipment type LMK- is in compliance with Directive 2014/53/EU. The full test of the EU declaration of conformity is available at the following internet address:  
<http://www.lutron.com/europe/Service-Support/Pages/Technical/CEDeclarationsofConformity.aspx>

### Wiring a Lever Operated Connector (shown)

When wiring lever-operated connectors (3 supplied) please use 14 AWG to 12 AWG (2.5 mm<sup>2</sup> to 4.0 mm<sup>2</sup>) diameter solid or stranded copper wire.



### RF Relay Module Placement

RF Relay Modules must be located within 30 ft (9 m) of an RF signal repeater. RF relay modules cannot be controlled by the system until they are programmed using the system programming software.

### Reset Factory Defaults

**Note:** In some instances it may be necessary to reset the RF Relay Module back to factory default settings. (A Triple-tap the Advanced Operations (“ADV”) button, on the RF Relay Module and hold until the LED begins to flash slowly.

B Within 3 seconds of flashing, release and triple-tap the button again and the LED will flash rapidly indicating that the unit has been reset to factory defaults.

**Note:** Any associations or programming previously set up with the unit will be lost and will need to be re-programmed

Shock Hazard. May result in serious injury or death.  
Turn off power at circuit breaker before installing the unit.

### Troubleshooting

<b>Load does not respond to Wireless Transmitter(s).</b>	<ul style="list-style-type: none"> <li>• Ensure breaker to the RF Relay Module is on.</li> <li>• Ensure the load has been properly wired to the RF Relay Module.</li> <li>• Ensure that the RF Relay Module has been activated in the system.</li> <li>• Ensure that the Wireless Transmitter battery is installed correctly.</li> </ul>
<b>RF Relay Module does not respond to a keypad, wireless controller or sensor.</b>	<ul style="list-style-type: none"> <li>• <b>Improper programming.</b> Program from the system programming software.</li> <li>• <b>Out of RF Range.</b> Reposition to be within 30 ft (9 m) of an RF signal repeater.</li> <li>• <b>Already at current level.</b> The RF Relay Module has already responded to a command, or is already at the requested setting.</li> <li>• <b>Wireless controller or sensor batteries low or installed incorrectly.</b> Replace or install batteries properly.</li> <li>• <b>RF interference.</b> Do not run RF Relay Module wires with other power wires or communication wires (e.g., networking, audio, or video signals).</li> </ul>

## FCC Information

(LMJ- model only)

This device complies with part 15 of the FCC Rules and Industry Canada license-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.

Modifications not expressly approved by Lutron Electronics Co., Inc. could void the user's authority to operate this equipment.

**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 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:

- Re-orient 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.

## Warranty

For warranty information, please visit

[www.lutron.com/TechnicalDocumentLibrary/Warranty.pdf](http://www.lutron.com/TechnicalDocumentLibrary/Warranty.pdf)

[www.lutron.com/TechnicalDocumentLibrary/Intl\\_Warranty.pdf](http://www.lutron.com/TechnicalDocumentLibrary/Intl_Warranty.pdf)

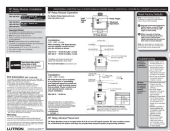
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[www.lutron.com/support](http://www.lutron.com/support)

## Documents / Resources



[LUTRON LMJ-16R-DV-B RF Relay Module with Softswitch](#) [pdf] Installation Guide  
LMJ-16R-DV-B RF, LMJ-16R-DV-B RF Relay Module with Softswitch, Relay Module with Softswitch, Module with Softswitch, Softswitch

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