



ROTARY DIMMER
120W LED/300W INCANDESCENT

RECOGNIZED
COMPONENT



Intertek

5008422

Conforms to UL1472 and CSA-C22.2 no.184

INSTALLATION INSTRUCTIONS
READ AND SAVE THESE INSTRUCTIONS

IMPORTANT: We cannot guarantee that all LEDs labelled as “dimmable” can actually be dimmed satisfactorily. Maximum and minimum loads may vary according to the make and type of LED. To optimize the dimming range, for LED lighting in particular, the minimum brightness setting of the dimmer can be adjusted [see “Adjusting the Minimum Brightness” below].

INSTALLING YOUR DIMMER

To be installed by a certified electrician or other qualified person. To be installed and/or used in accordance with appropriate electrical codes and regulations. For instructions regarding wallbox installation and wallplate assembly refer to the ‘Instructions for Electricians and Decorators’ information sheet.

WARNING

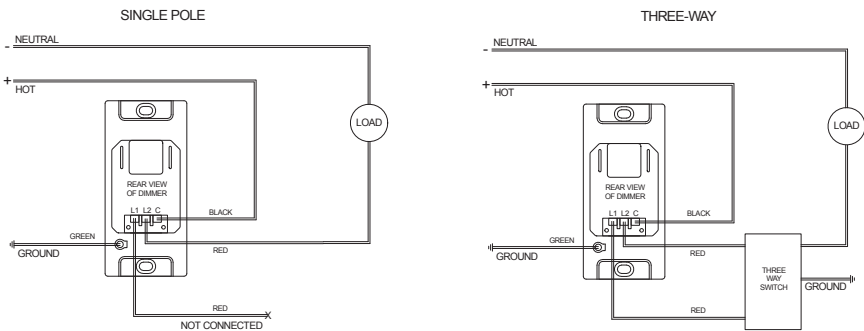
For control of permanently installed incandescent or LED lamp fixtures Only.

To prevent shock or electrocution, always turn the power OFF at the service panel before installing this unit, working on the circuit, or changing a lamp. It is normal for the dimmer to feel warm during operation.

CAUTION

To reduce risk of overheating and possible damage to other equipment, do not install to control, receptacle, a fluorescent light or bulb or a motor-operated appliance. Connect dimmers only in a 120VAC, 60Hz circuit. Do not use dimmer with a load whose power requirements exceeds the maximum power rating marked on the dimmer. No de-rating is necessary for multi-gang installations. Use copper wire only. Connect to 12AWG or 14AWG stranded or solid copper conductors.

WIRING DIAGRAM



WARRANTY

Lifetime Warranty. The device you have purchased is warranted under normal use against defects in workmanship and materials for as long as you own the device. If the device fails due to manufacturing defect during normal use, return the device for replacement to the store where purchased or send to: Forbes & Lomax, 979 Third Ave, 1502, NY 10022. All requests for replacements must include a dated sales receipt (legible copies acceptable). ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO A PERIOD OF TWO YEARS FROM THE DATE OF PURCHASE. YOUR SOLE AND EXCLUSIVE REMEDY AGAINST FORBES & LOMAX LTD. UNDER ANY WARRANTY SHALL BE THE EQUIVALENT REPLACEMENT OF THE DEVICE. IN NO EVENT SHALL ANY WARRANTY APPLY TO ANY DEFECT ARISING OUT OF ANY ALTERATION OF THE DEVICE, IMPROPER INSTALLATION, MISUSE ABNORMAL USE OR NEGLIGENCE. IN NO EVENT SHALL FORBES & LOMAX LTD. BE LIABLE FOR LOST PROFITS, INDIRECT, SPECIAL, EXEMPLARY, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long implied warranties last and do not allow exclusion or limitation of incidental or consequential damages. Some of the above limitations or exclusions may not apply to every purchaser.



4-WAY INSTALLATION WITH DIMMER

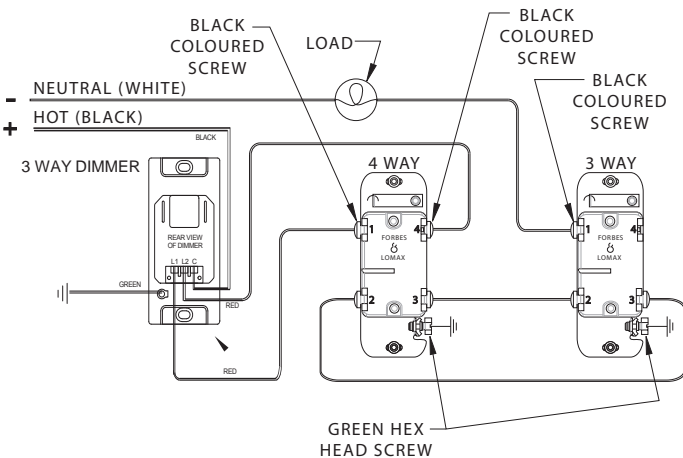
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WARNING To prevent shock or electrocution, always turn the power OFF at the service panel before installing this unit, working on the circuit, or changing a lamp.

- 120/277VAC ~ 15A
- Connect only 12AWG or 14AWG copper or copper clad wire to switch. See device for strip length
- Do not use aluminium wire



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ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO A PERIOD OF TWO YEARS FROM THE DATE OF PURCHASE. YOUR SOLE AND EXCLUSIVE REMEDY AGAINST FORBES AND LOMAX LTD UNDER ANY WARRANTY SHALL BE THE EQUIVALENT REPLACEMENT OF THE DEVICE. IN NO EVENT SHALL ANY WARRANTY APPLY TO ANY DEFECT ARISING OUT OF ANY ALTERATION OF THE DEVICE, IMPROPER WIRING, IMPROPER INSTALLATION, MISUSE, ABNORMAL USE OR NEGLIGENCE. IN NO EVENT SHALL FORBES AND LOMAX LTD BE LIABLE FOR LOST PROFITS, INDIRECT, SPECIAL, EXEMPLARY, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long implied warranties last and do not allow exclusion or limitation of incidental or consequential damages. Some of the above limitations or exclusions may not apply to every purchaser.



OPTIMIZING THE PERFORMANCE OF YOUR TRIAC LED DIMMERS

Programming the dimming range

TRIAC LED dimmers have a programmable dimming range, so you can set the minimum and maximum levels correctly for the lights you are controlling, to prevent flickering at the top or bottom of the dimming range.

To program the minimum brightness:

Start with the lights switched ON and the dimmer set to MINIMUM (fully anticlockwise).

Push the dimmer OFF, ON, OFF, ON, OFF, ON leaving approximately one second between presses. The lights will then step up and down in brightness.

As soon as the lights have stepped down in brightness, turn the dimmer to MAXIMUM (fully clockwise), then immediately start turning the dimmer anti-clockwise until the lights reach the brightness that you want to become the new minimum level. Leave the dimmer at that level for 3 seconds.

The lights will then step up and down in brightness to tell you that the new minimum level has been saved.

To program the maximum brightness:

Start with the lights switched OFF and the dimmer set to MAXIMUM (fully clockwise).

Push the dimmer ON, OFF, leaving approximately one second between presses.

Turn the dimmer to MINIMUM (fully anticlockwise)

Push the dimmer ON, OFF, leaving approximately one second between presses.

Turn the dimmer to MAXIMUM (turn fully clockwise)

Push the dimmer ON and the lights will step up and down in brightness. As soon as the lights have stepped down in brightness, turn the dimmer to MINIMUM (fully anticlockwise), then immediately start turning the dimmer clockwise until the lights reach the brightness that you want to become the new maximum level. Leave the dimmer at that level for 3 seconds.

The lights will then step up and down in brightness to show that the new maximum level has been saved.

DIMMING MODES

The dimmers have three dimming modes, to enable them to be compatible with a wider range of LEDs. The dimmers will normally automatically select the appropriate dimming mode for the lights they are connected to, but on occasion you may need to manually change the dimming mode for best performance.

To determine what dimming mode the dimmer is in:

Start with the lights switched ON and the dimmer set to MAXIMUM (fully clockwise).

Push the dimmer OFF, ON, OFF, ON, OFF, ON leaving approximately one second between presses. The lights will step up and down in brightness, then flash once to tell you it is in Mode 1, or twice to tell you it is in Mode 2, or three times to tell you it is in Mode 3, and then the lights will resume to maximum brightness.

To switch between Dimming Mode 1 and Dimming Mode 2:

(If the dimmer is in Mode 1, this sequence will switch it to Mode 2. If it is in Mode 2, it will switch it to Mode 1)

Start with the lights switched ON and the dimmer set to MAXIMUM (fully clockwise).

Push the dimmer OFF, ON, OFF, ON, OFF, ON leaving approximately one second between presses. The lights will step up and down in brightness.

As soon as the lights have stepped down in brightness, turn the dimmer to MINIMUM (fully anticlockwise). Leave the dimmer at that level for 3 seconds.

The lights will then step up and down in brightness and then flash once to tell you it has changed to Mode 1, or twice to tell you it has changed to Mode 2, and then the lights will resume to minimum brightness.

To select Dimming Mode 3:

Start with the lights switched ON and the dimmer set to MAXIMUM (fully clockwise).

Push the dimmer OFF, ON, OFF, ON, OFF, ON leaving approximately one second between presses. The lights will step up and down in brightness.

As soon as the lights have stepped down in brightness, turn the dimmer to MINIMUM (fully anticlockwise), and then immediately turn the dimmer to MAXIMUM (fully clockwise). Leave the dimmer at that level for 3 seconds.

The lights will then step up and down in brightness and then flash three times to tell you it has changed to Mode 3 and then the lights will resume to maximum brightness.

PROGRAM LOCK

Once you are happy with the dimming performance, it is important to apply the Program Lock by following the instructions below. Otherwise, the user will inadvertently reprogram the dimmer during normal use. If you need to unlock the dimmer, follow the same sequence again.

To determine if the dimmer is locked or unlocked:

(When purchased, the dimmers are unlocked)

Start with the lights switched ON and the dimmer set to MINIMUM (fully anticlockwise).

Push the dimmer OFF, ON, OFF, ON, OFF, ON leaving approximately one second between presses. If the lights step up and down in brightness, it means the dimmer is unlocked. If the lights just switch on as normal, and do not step up and down in brightness, it means the dimmer is locked.

To lock and unlock the dimmer:

(If the dimmer is unlocked, this sequence will lock it. If it is locked, it will unlock it)

Start with the lights switched OFF and set the dimmer to MAXIMUM (fully clockwise).

Push the dimmer ON, OFF, ON, OFF leaving approximately one second between presses.

Turn the dimmer to MINIMUM (fully anticlockwise).

Push the dimmer ON, OFF, ON, OFF leaving approximately one second between presses.

Turn the dimmer to MAXIMUM (fully clockwise).

Push the dimmer ON, OFF, ON leaving approximately one second between presses.

The lights will step up and down in brightness to show that the Program Lock setting has been saved.