



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.