UNIVERSAL LED DIMMER
MANUAL INSTRUCTION
Item NO. LCB675581

This dimmer has been developed specially for Dimmable LED Lamps.

Most dimmable lamps have an optimum performance mode - Leading Edge or Trailing Edge. The advanced technology used to control the load results in flicker-free dimming of lamps and drivers. This technology also eliminates the need to differentiate between leading and trailing edge lamps that will prevent the lights from flickering. See "Changing the Dimmer Mode"below.

Additionally, the minimum brightness setting of the dimmer can be adjusted to achieve the optimum dimming range for a particular load. See "Adjusting the Minimum Brightness" below.

You may need to refer to these instructions if you change your lights to a different type at a later date so please keep them for reference.

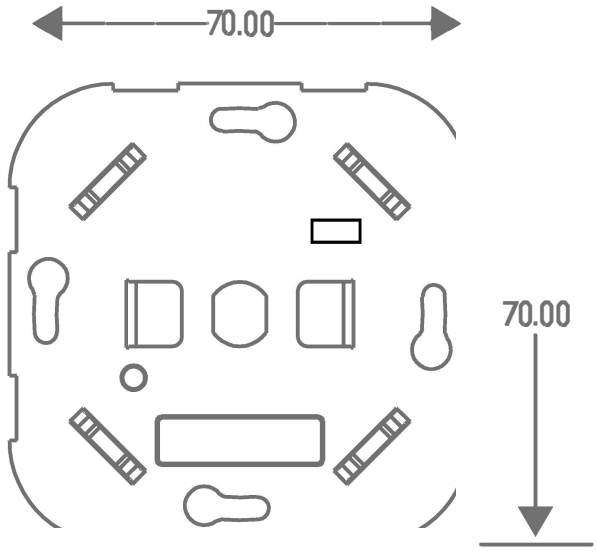
SPECIFICATION

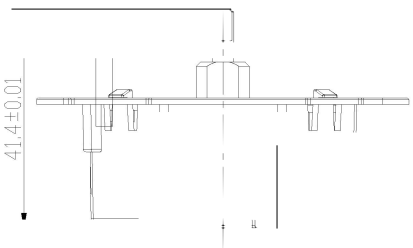
Operating Voltage	220-240 V ~
Frequency	50 Hz
Maximum Load	300 W
Minimum Load	5 W
Dimming Mode	Leading/Trailing Edge
Control Method	Two way
Dimmable LED lamps	LE 5-150W TE 5-300W
LV Halogen lighting with electronic transformers	LE 5-150W TE 5-300W
Incandescent lighting, MV Halogen lamps	LE 5-150W TE 5-300W

CE	The device is in compliance with BS EN 60669-2-1.
	Should not be disposed with other household wastes.
	This product is not a toy. Keep away from children and animals.
	Do not expose this product to moisture, water or other liquids.
	Do not attempt to examine or repair this product yourself.
	This product is designed for indoor use only. Do not use outside!

Warning!
Certain light sources may not behave according to their power rating when used with a dimmer. An overload will result in the safety features switching the dimmer off. We always recommand to connect under the suggest load.

Dimension





INSTALLATION

READ THERE INSTRUCTIONS CAREFULLY. INCORRECT INSTALLATION MAY DAMAGE THE DIMMER BEYOND REPIRE.

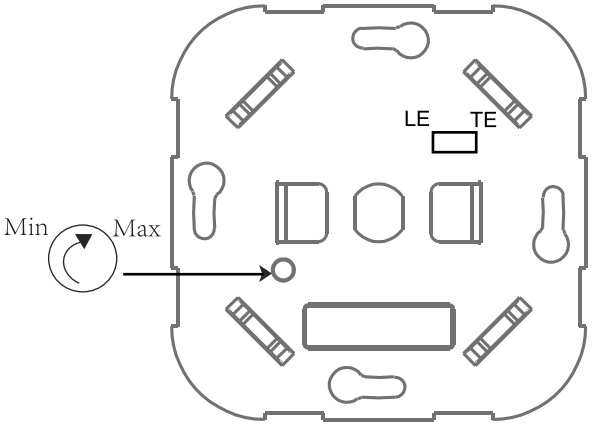
1. Switch off the mains supply before commencing the installation.
2. If removing the existing switch, disconnect the wiring from the switch terminals at the rear and take note of the present wiring of the switch and the marking on the terminals.
3. Ensure that any mounting box is free of plaster lumps or projecting screw heads. Most models can be fitted into a box with a minimum depth of 25mm. These dimmer switches can be installed in boxes with two mounting lugs only. Other mounting lugs need to be removed or bent flat.
4. Terminate the dimmer switch in accordance with the diagrams in the Wiring Instructions section. Take care that no bare wires project out of the terminals. Keep wires together in a terminal if they were together in your old switch.
5. After connecting the wires screw the dimmer switch gently into the wall box so that the front plate does not distort or crack. Do not trap the wiring between the rear of the dimmer and the back of the wall box.
6. Once installation is complete, switch on the mains supply. When switching on the dimmer for the first time you might need to set up the min. brightness and max. brightness, dimming mode as well.

OPERATION

1. Changing the Dimmer Mode

The dimming mode can be easily changed by a switch on the plate.
Switch to the left means you are in leading edge (LE) mode.
Switch to the right means you are in trailing edge (TE) mode.

Please remeber the leading edge mode connecting load should always be lower than trailing edge mode.



2. Adjust the min. & max. brightness level

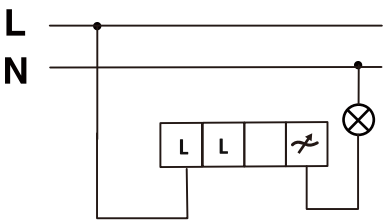
- Ensure the lamp module is switched OFF
- Clockwise the VR (Variable Resister) to increase the brightness at min. & max. point.
- Anti-clockwise the VR to decrease the brightness at the min. & max. point.

WIRING

This dimmer switch is suitable for 1 or 2 way lighting circuits.
There are three terminals per module.

- 1 way Circuits

In 1-way lighting circuits each lamp is controlled by one dimmer switch.
Follow the wiring in Figure 1.
L live supply, load



- 2 way Circuits

When controlling the load from two positions, it is only possible to have one dimmer switch. The other needs to be a 2 way switch
2-way lighting circuits have two switches turning the same lamps on and off from two different locations
however only one of these can be a dimmer switch, the other must be a 2-way switch . Follow the wiring in Figure 2.

L live supply, load

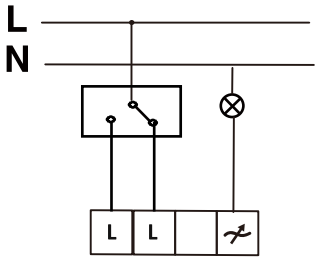


Figure 2