



## Features:

- Leading edge phase control
- For use with resistive and inductive loads
- Integrated over-temperature protection fuse
- Module case ultrasonically sealed to reduce dimmer buzzing
- Smooth dimming operation from 0-100%
- May be fitted to most dimmer plates
- Complies with the latest Electrical Safety Standard for dimmer switches EN60669-2-1:2000
- EMC Compliance - EN550155

## Models

### EcoDim-Triac

## Specifications

Input Voltage Type	AC
Input Voltage (Max)	240V
Input Voltage (Min)	220V
Size	62.2 x 26 x 46.2 mm

## Important User Information

- De rate dimmer by 70% for LED Loads.
- Do not mix lamp types and wattages on the same lighting circuit.
- Before switching off the lamps turn the dimmer switch to maximum, this will ensure that the lamps are at the correct voltage when next switched on.
- Always wait for lamps to reach full brightness before setting the dimming level.
- Module only – Faceplate not included.

## Important Installation Information

### Always switch off mains supply before installation or maintenance works.

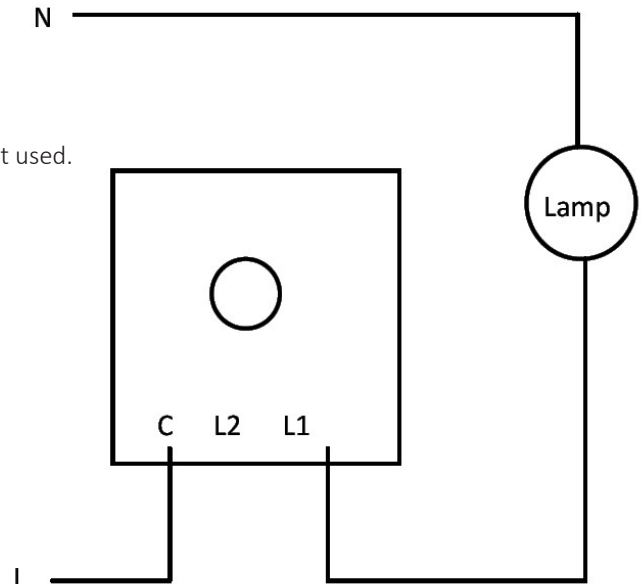
- Fit the dimmer module to the required plate.
- Remove the existing switch taking note of the wiring terminations. If there are two or more wires in one terminal connect them into the same terminal on the ECODIM-TRIAC.
- When stripping the cables for termination ensure that bare conductors do not project from the terminals.
- When the wiring is connected the dimmer switch can be adjusted for minimum dimming level.
  1. Turn the dimmer switch clockwise
  2. Using a small terminal screwdriver turn the potentiometer (side of the dimmer module) anticlockwise.
  3. Switch on the mains supply.
  4. When the lamps are at full brightness slowly turn the dimmer switch fully anti-clockwise.
  5. Turn the potentiometer clockwise until the desired minimum light level is reached.
  6. If it is turned too far the lamps may extinguish, repeat steps 1 – 6.
- Install the dimmer plate into the wall box ensuring that the wiring is not trapped. Tighten the plate fixing screws.
- A slight buzzing noise may be heard from the dimmer switch in operation, this is perfectly normal.

## Connecting Diagram

This dimmer module is suitable for 1 or 2 way lighting circuits and has 3 screw terminal connections L1, L2 and C (common).  
NOTE: When using 2-way switching lamps could be switched off while dimmed.

### 1-Way Switching

- Each lighting circuit is controlled by one switch.
- Connect the incoming Live to the terminal marked C.
- Connect either L1 or L2 to the live feed to the lighting circuit.
- For 1 way switching either the L1 or L2 terminal connection is not used.



### 2-Way Switching

- 2-Way lighting circuits have two switches controlling the same lights from two different locations.
- This arrangement is commonly used at the top and bottom of staircases or at the entry and exit doors to a room.
- Only one standard plate switch may be replaced with a dimmer switch for 2-way switching applications or the lights will flicker on and off.
- See Figure for a typical 2-way circuit.
- Remove one of the existing switches taking note of the wiring of the switch and the terminal markings.
- The wires connected to the COMMON terminal of the plate switch should be connected to the C terminal of the dimmer switch.
- The wires connected to the other two terminals of the plate switch should be connected either way round to terminals L1 & L2 of the dimmer switch.

