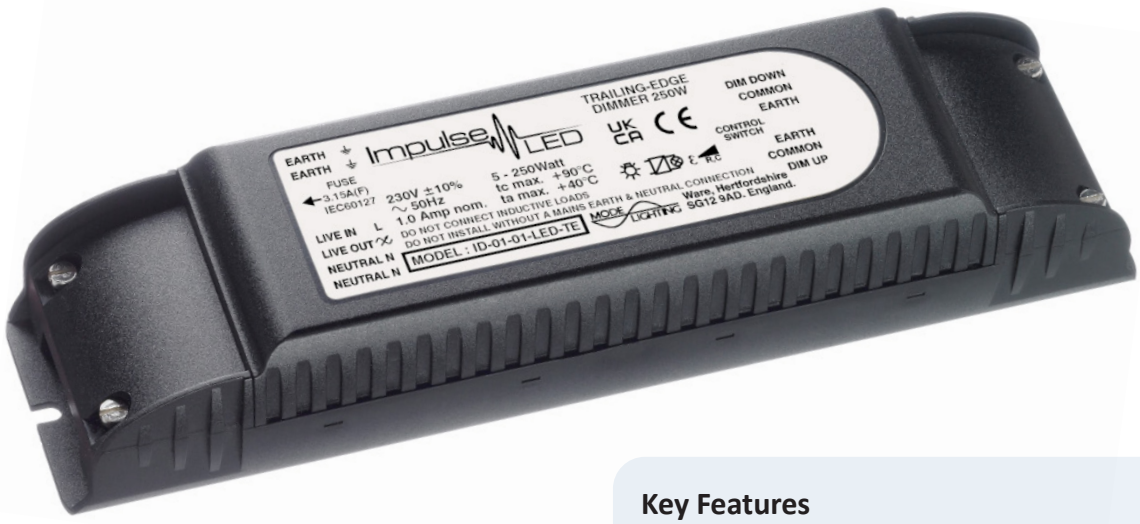
# Impulse LED-TE

## Trailing Edge




Impulse LED-TE is an LED friendly version of our popular retrofit Impulse Dimmer Module. Impulse Dimmers can be operated by any momentary or centre retractive type switch.

A single switch can be used to provide ON/OFF/ RAISE/LOWER operation.

A centre retractive switch can be used for ON/RAISE and OFF/LOWER control.

The Impulse LED-TE can also be used for multi position, multi gang dimming control and can be programmed to set minimum and maximum light levels which provides the ability to fine tune the dimming range to suit the wide variety of LED lamps available.

The ID-01-01-LED-TE is suitable for the control of Mains Trailing Edge Dimmable lighting loads. Impulse modules are also available for Leading Edge Mains Dimming (ID-01-01-LED) and 0/1-10v dimmable loads (ID-00-01).

Please see separate datasheets for more information.

**Key Features**

- 250W in-line LED Dimmer (1000W for tungsten loads).
- Set both minimum and maximum light levels.
- Suitable for Trailing Edge dimmable LED loads.
- Mosfet dimming control.
- Low voltage switch plate wiring.
- Controlled by any momentary switch.
- ON/OFF, DIM UP/DIM DOWN functions.
- Multi position dimming control.
- Multi gang switch plate capabilities.
- Fully isolated switch plate input.
- Fully protected fused output.
- Complies with EC EMC and Low Voltage Directives (CE).
- 2 year warranty.

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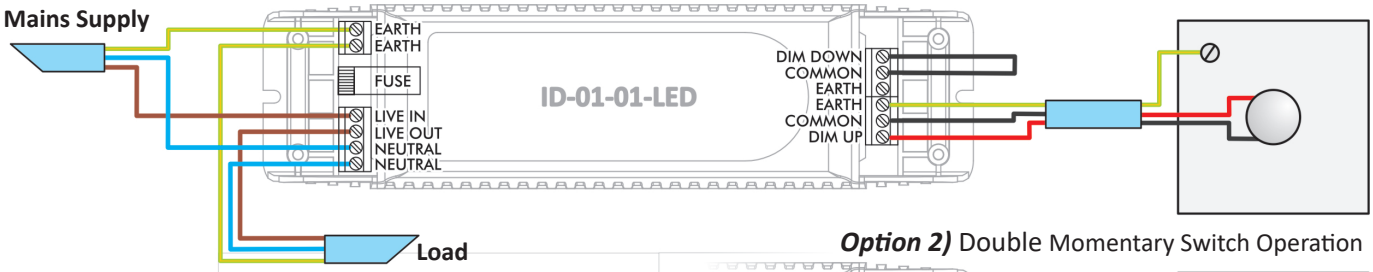
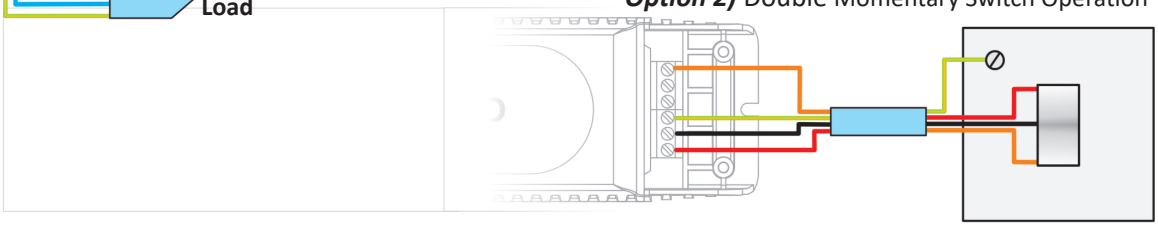
## Wiring Detail

***Option 1)*** Single Momentary Switch Operation

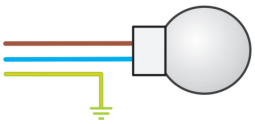



***Option 2)*** Double Momentary Switch Operation



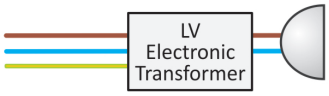
***Load Types***

Mains LED Lamp

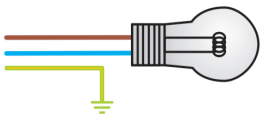


Constant Current / Constant Voltage LED

Halogen Low Voltage




Mains GLS or GU10



## Operation

A brief button press switches the load ON or OFF and holding the button dims UP or DOWN.

**Single Momentary Switch Operation** - Provides ON/OFF and DIM UP/DIM DOWN.
**Centre Retractive Switch Operation** - Provides ON/OFF and DIM UP/DIM DOWN.

## Programming

A number of user programmable options may be set. Please see the programming guide for further details. These include maximum and minimum dimming levels and switching point.

| | |
|---|---|
| **Power** | |
| Circuit Supply | 200-250V, 50-60Hz |
| **Connections & Cable Specifications** | |
| Channel Outputs | 15-250W (maximum 1A) of LED loads* |
| Channel Fuse | IEC60127 6.3A (F) (spare fuses available from Mode) |
| Control Input | Isolated input(s) from volt free switch |
| Dimming Output | Trailing Edge control |
| Lamps Maximum | 25 lamps (250W maximum) |
| **Mechanical** | |
| Case Material | Flame retardant polycarbonate to UL94-V0 |
| Case Colour | Black |
| Dimensions | 58mm High x 224mm Wide x 42mm Deep |
| Weight | 0.41kgs |

*Also capable of 50-1000W of Low Voltage Halogen, Mains GLS or Mains GU10.

Installation should be in accordance with the relevant National Wiring Regulations and other applicable Regulations. Compliance to EC EMC and Low Voltage Directives may be invalidated if not used or installed according to the published specification.

ID-01-01-TE should be located in well ventilated areas and should not be covered or enclosed by insulating materials.

Mode reserve the right to amend the product specification or design at any time and without notice.

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