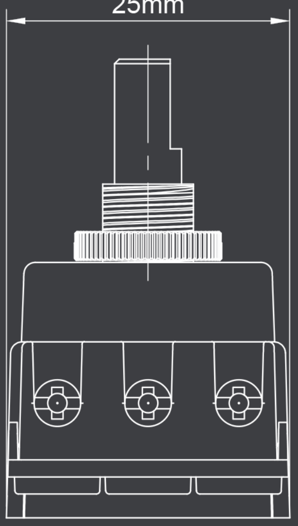
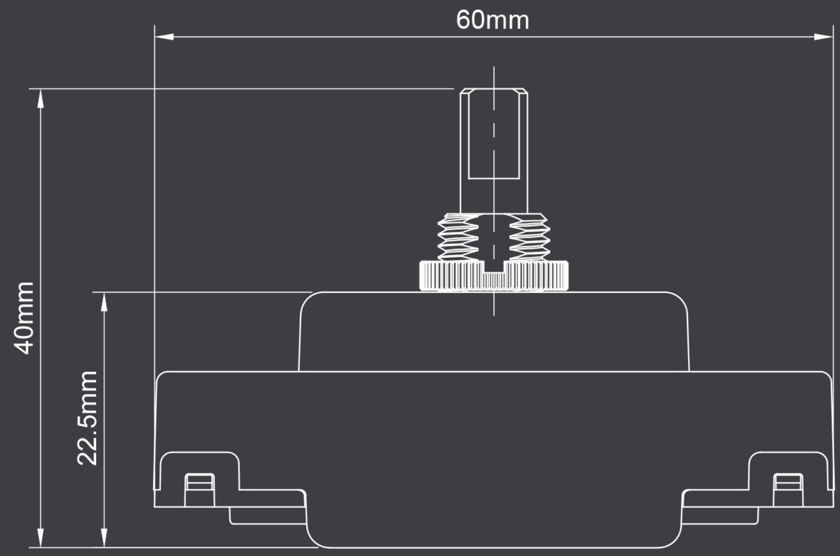
PDM020

Enkin DC 1-10V 2 Way Dimmer





Markings & Standard(s)	CE, UKCA, BS EN 60669-2-1
AC Terminal Operating Voltage	220-240V AC* (See page 2 for details)
AC Terminal Main Frequency	50Hz
Maximum Switchable AC Terminal Load	1000W* (See page 2 for details)
Switch Type	2 Way
Dimming Protocol	DC 1-10V
Mounting Box Depth (Min)	25mm
Terminal Capacity	1 x 4mm² / 1 x 2.5mm² / 3 x 1.5mm² / 4 x 1mm²
AC Terminal Markings	C, L1, L2
DC Terminal Markings	Dim+, Dim-
Neutral Required	No
Short Circuit Protection	N/A
Overload/Overcurrent Protection	N/A
Thermal Protection	N/A
Soft Start	N/A
Power Failure	N/A
Memory	N/A
Min/Max Level Setting	N/A
Driving Mode	N/A
Product Dimensions	60mm x 40mm x 25mm
Climate Range	0°C to 40°C, Humidity 0% to 95% non-condensing
Recommended Location	Indoor use only
Maximum Installation Altitude	2000m
IP Rating	IP2XD
Trademarks	Enkin is a registered trademark number: UK00003707694, Date: 07 May 2021

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ENKIN®

PDM020 **Enkin DC 1-10V 2 Way Dimmer**

Operating Voltage* (Ref. wiring diagrams 2 & 3)	240V ac ~ 50 Hz
Max Load* (Ref. wiring diagrams 2 & 3)	1000W
Dimming Technique	DC 1-10V
Compliance	BS EN 60669-2-1

*** PLEASE NOTE:** These operating Voltage & Max Load values are in reference to a switched mains load across the AC terminals only.

Applications:

- Dimming of Constant Current LED’s when used in conjuntion with a suitable SELV LED Driver or dimmable ballast.
- Dimmable Ballasts requiring a 1 - 10V control input.

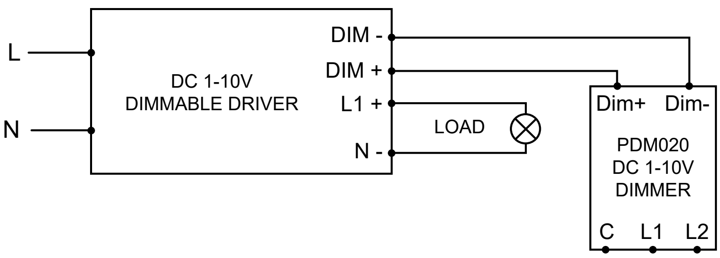
Please Note This Dimmer Swich <u>CANNOT</u> be used for:

- Mains Voltage GLS or Halogen lamps.
- Electronic & Wire Wound low Voltage lighting transformers.
- Fans.
- Any electronic control gear that does not require a 1 - 10V control input.

On Off & Dimming Function:

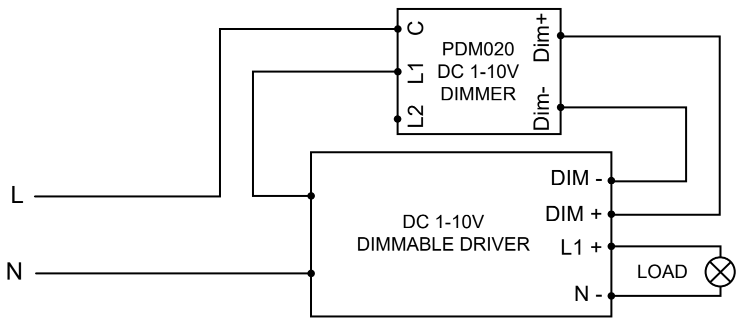
Dimmer switch is activated by pressing the dimmer shaft only, dimming function by rotating the dimmer shaft only.

WIRING EXAMPLES



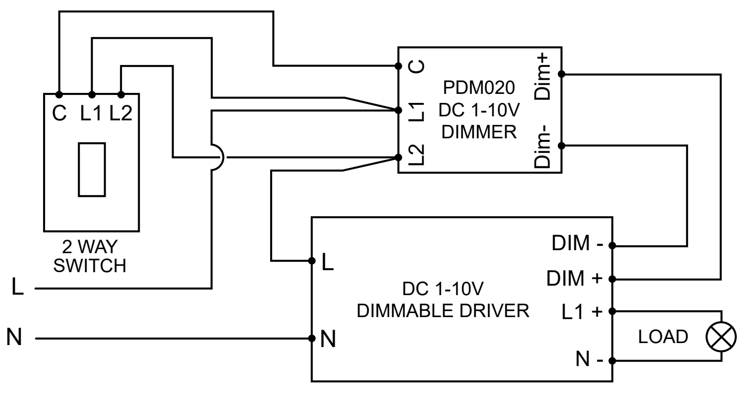
Example Wiring Diagram 1.

A typical setup with one PDM020 controlling a single dimmable driver.



Example Wiring Diagram 2.

An example setup with one PDM020 controlling a single driver while also also switching the driver’s live input.



Example Wiring Diagram 3.

An example setup with one PDM020 controlling a single driver, while switching the driver’s live input and also with a connected switch in a two way configuration.