

ENKIN PDM020 2 Way Dimmer



ENKIN PDM020 2 Way Dimmer Instruction Manual

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ENKIN PDM020 2 Way Dimmer



Specifications

- **Product:** PDM020 DC 1-10V 2 Way Dimmer
- **Operating Voltage:** 240V ac ~ 50 Hz
- **Max Load:** 1000W
- **Dimming Technique:** DC 1-10V
- **Compliance:** BS EN 60669-2-1

Product Usage Instructions

To control a dimmable driver using the PDM020 Dimmer:

1. Connect the AC terminals of the PDM020 to the switched mains load.
2. Connect the dimmable driver's L1 and N terminals to the corresponding terminals on the PDM020.
3. Connect the dimmable driver's LOAD terminals to the load that needs to be controlled.
4. To turn on/off the dimmable driver, press the dimmer shaft of the PDM020.
5. To dim the connected load, rotate the dimmer shaft of the PDM020.

To control a dimmable driver and switch its live input using the PDM020 Dimmer:

1. Connect the AC terminals of the PDM020 to the switched mains load.
2. Connect the dimmable driver's L1 and N terminals to the corresponding terminals on the PDM020.
3. Connect the dimmable driver's LOAD terminals to the load that needs to be controlled.
4. Connect the dimmable driver's L2 and C terminals to the live input terminals of the PDM020.
5. To turn on/off the dimmable driver, press the dimmer shaft of the PDM020.
6. To dim the connected load, rotate the dimmer shaft of the PDM020.

To control a dimmable driver, switch its live input, and use an additional two-way switch with the PDM020 Dimmer:

1. Connect the AC terminals of the PDM020 to the switched mains load.
2. Connect the dimmable driver's L1 and N terminals to the corresponding terminals on the PDM020.
3. Connect the dimmable driver's LOAD terminals to the load that needs to be controlled.
4. Connect the dimmable driver's L2 and C terminals to the live input terminals of the PDM020.
5. Connect the additional two-way switch as shown in the wiring diagram.
6. To turn on/off the dimmable driver, press the dimmer shaft of the PDM020 or use the two-way switch.
7. To dim the connected load, rotate the dimmer shaft of the PDM020.

FAQ

- **Q: Can I use the product for outdoor installations?**

A: No, the product is suitable for indoor use only.

- **Q: What is the maximum load that this product can handle?**

A: The maximum load is 1000W.

- **Q: Can I install this product myself?**

A: This device must be installed by a qualified and experienced electrician by applicable current electrical regulations.

- **Q: Are there any user-serviceable parts inside the product?**

A: No, there are no user-serviceable parts inside the product. Do not attempt to open or repair it.

- **Q: What should I do if I encounter a hazardous voltage?**

A: Lock out and tag the input circuit before accessing the wiring connections. Always follow proper safety procedures and regulations.

- **Q: Can I exceed the electrical rated loads and limits of the product?**

A: No, electrical rated loads and limits of the product should NEVER be exceeded at any time. Always isolate the electricity supply at its source before any installation or maintenance.

- **Q: How should I dispose of the product?**

A: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

INSTRUCTION

- Push on, push off, rotary dimming control switch
- **Dimming range:** 1-100%
- Only for use with suitable SELV dimmable LED Driver or 1 – 10V dimmable Ballast
- One or two-way switching

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

Applications

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

Please Note This Dimmer Switch CAN NOT be used for:

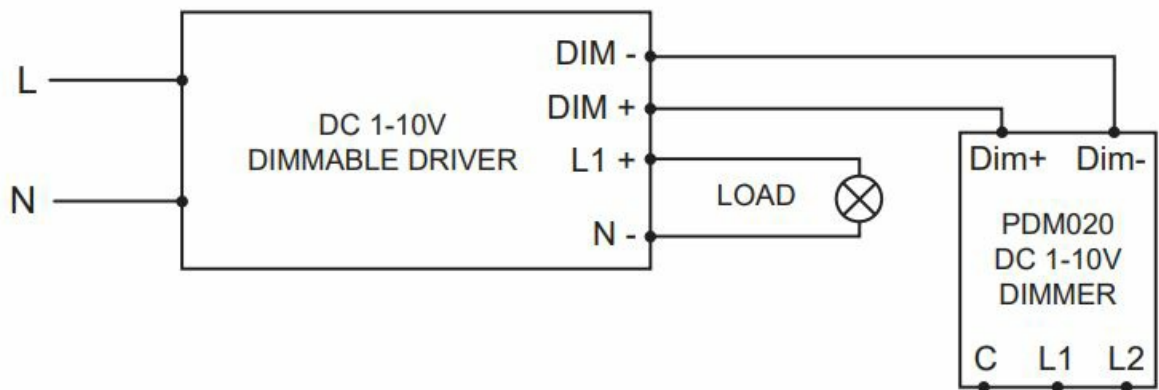
- Mains Voltage GLS or Halogen lamps.
- Electronic & Wire Wound low Voltage lighting transformers.
- Fans.
- Any electronic control gear that does not require a 1 – 10V control input

On Off & Dimming Function:

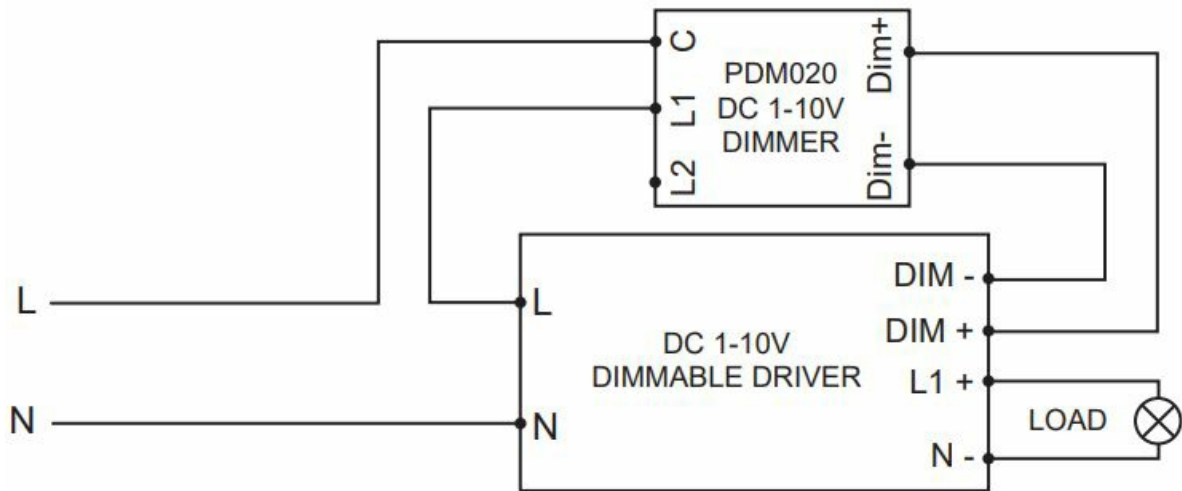
The dimmer switch is activated by pressing the dimmer shaft only, dimming function by rotating the dimmer shaft only.

Wiring Diagram

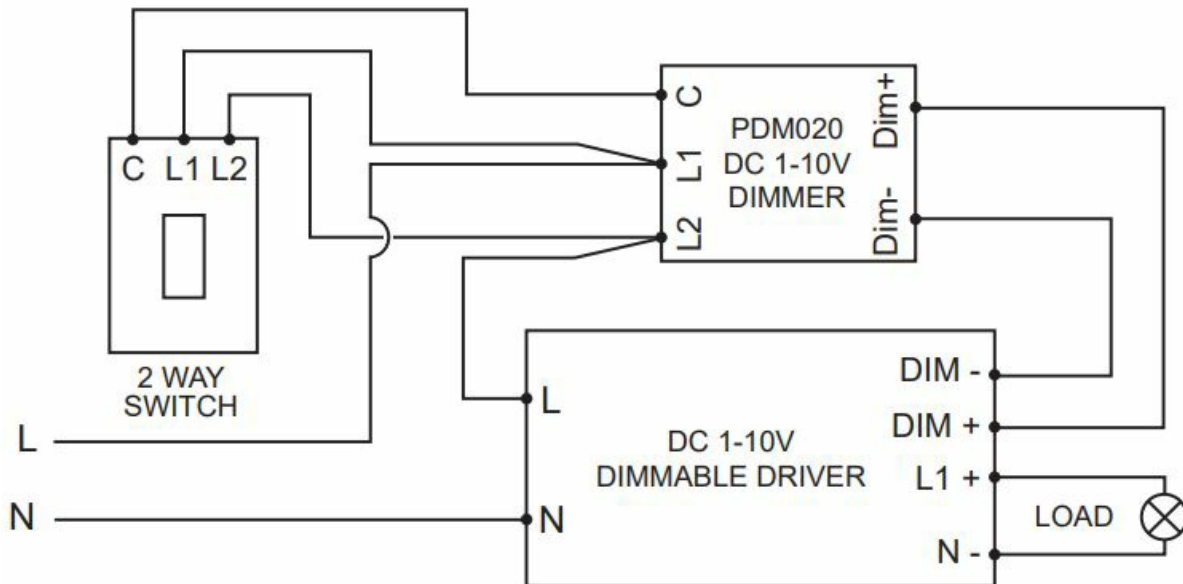
Example Wiring Diagram 1. (One PDM020 controlling Dimmable Driver)



Example Wiring Diagram 2. (One PDM020 controlling Dimmable Driver and also switching the driver's live input)



Example Wiring Diagram 3. (One PDM020 controlling Dimmable Driver, switching driver's live input, with additional two-way switch)



SAFETY INSTRUCTION

RISK OF ELECTRIC SHOCK

- Hazardous voltage and electrical current may be present at the wire leads of this product even when the device is switched off.
 - Lock out and tag the input circuit before accessing the wiring connections.
 - This device must be installed by a qualified and experienced electrician by applicable current electrical regulations.
 - To comply with all safety standards, the product must be used only for the purpose described in this instruction and must be installed by the wiring rules and regulations in the location where it is installed.
 - There are no user-serviceable parts inside the product.
- Failure to follow these instructions can result in death or serious injury.

EQUIPMENT DAMAGE HAZARD

- Install the device according to the instructions in this document.
- Pay attention to the specifications and wiring diagrams related to the installation.
- Do not use this product for any other purpose than specified in this instruction.
- The product is suitable for indoor use only.
- Apply IEC60898-1 compliant 250V~ 6A MCB as an overload protective device.

ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

LEGAL DISCLAIMER

The installation of electrical products is inherently dangerous and can lead to serious injury or death. The products we sell MUST be installed by a qualified and experienced electrician by applicable current electrical regulations. Any advice, guidance or other information provided by Enkin on their website or within any of our publications

cannot completely anticipate your situation and common sense must prevail. Products need to be checked before installation and regularly for damage and wear and tear. Products should be returned and not used if in any doubt of their integrity.

Electrical rated loads and limits of a given product should NEVER be exceeded at any time. The electricity supply should always be isolated at its source (Distribution Board) before attempting any installation or maintenance. No advice or information, whether oral or written, obtained by you from us or through the service, our employees, consultants and/or retailers shall create any warranty not expressly made herein. You agree to assume all and any risk resulting from the utilisation of information provided by Enkin. You also expressly agree not to hold us responsible for any damage, personal injury, death or loss resulting from your use of our information, service or regulatory-compliant products.

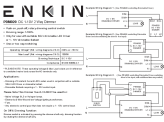
Scan QR Code for more detailed technical information on this product:



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Documents / Resources

	ENKIN PDM020 2 Way Dimmer [pdf] Instruction Manual PDM020 2 Way Dimmer, PDM020, 2 Way Dimmer, Dimmer
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References

- [Enkin next level lighting dimming technology – Enkin Dimmer Switch Technology](#)
- [User Manual](#)

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