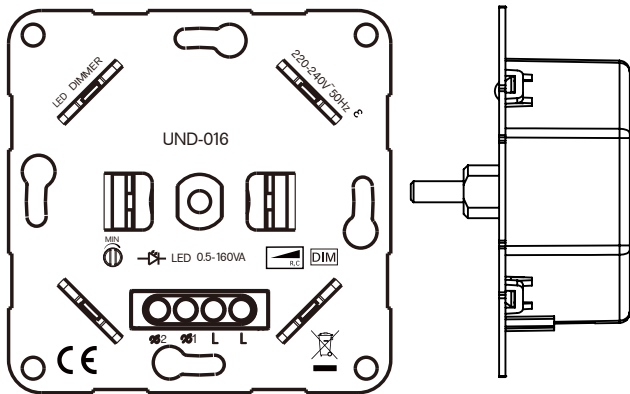


offgridtec Manual



LED DIMMER 160VA

Two-way Control

UND-016

Led dimmer phase cut (R,C)

Specifications:

Connection voltage:	220-240VAC
Frequency:	50Hz
Dimming technology:	Trailing edge
Dimmable LED lamps:	0.5-160VA/W(R,C)
Overload Protection	Yes, automatically
Thermal Protection	Yes, automatically

- Suitable for both retrofit and new installations
- Soft start system for longer LED lamp life
- Built-in protection for overheating and overloading
- No neutral wire required

Note:

This is a two-way dimmer and it should be connected as shown under the heading 'Wiring diagram'.

Installation of the dimmer on a 220-240 VAC mains should be carried out by a qualified professional, taking into account national regulations. Ensure that the electricity is switched off during all work.

Dimmer is not suitable for wound / magnetic or core transformers.

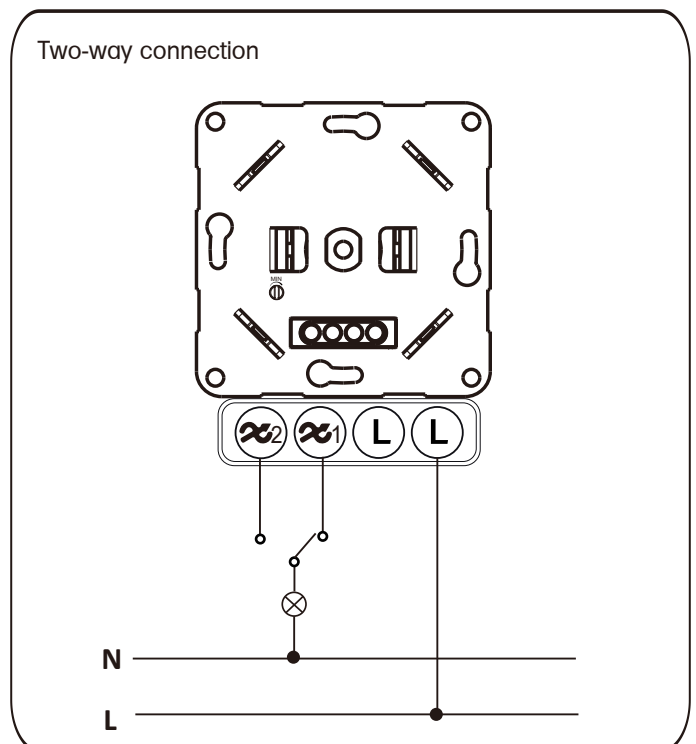
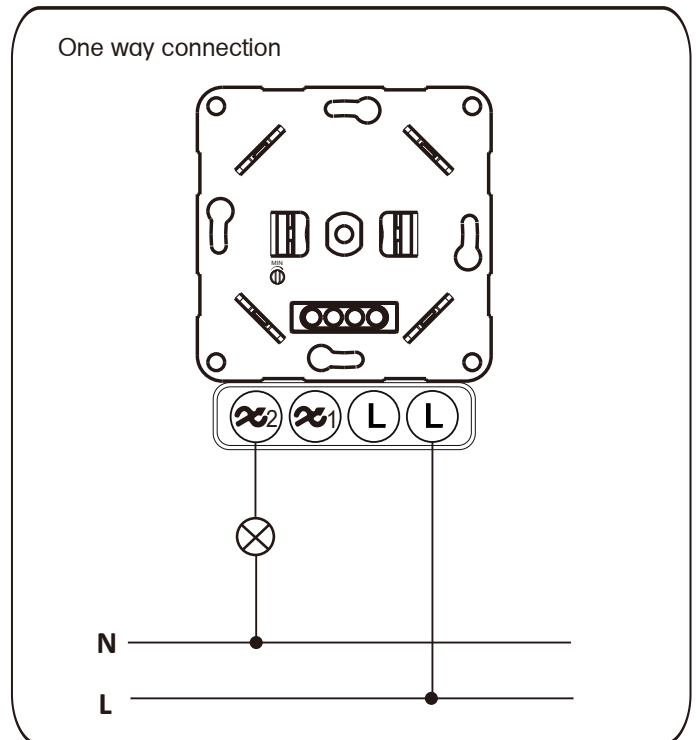
Reduction of connection capacity by PowerFactor

When calculating the LED connection power of the dimmer, take into account the PowerFactor of the dimmable LED lighting. See the global calculation below for this.

$$\text{RATED POWER} = \text{NUMBER OF LED LIGHT SOURCES} \times \text{NOMINAL POWER LED/POWER FACTOR}$$

Example: 10 lamps * (5W per lamp / 0.8 PowerFactor)
= 62.5 Watt

Wiring diagram:



Setting the minimum brightness

1. Set the dimmer to the minimum load.
2. Turn the min-adjustment micro switch to the desired minimum load.
3. The dimmer is now set to the desired minimum load.

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