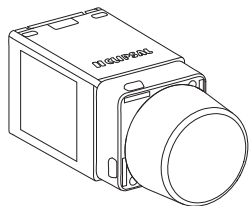




About the product

Dimmers are used to raise or lower the brightness of LED lamps, incandescent lamps and electronic transformers. They are often used in homes and businesses to conserve energy and control the lighting environment.

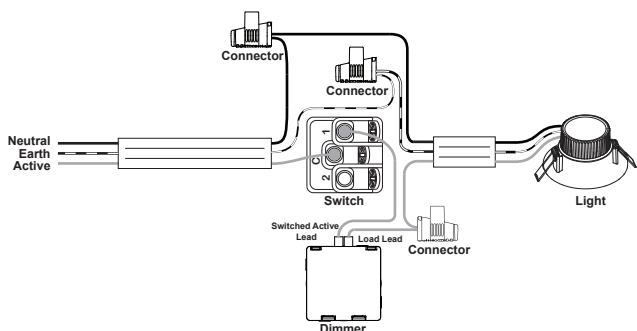


30ERDM-WE
P30ERDM-WE
PDL600ERDMWH

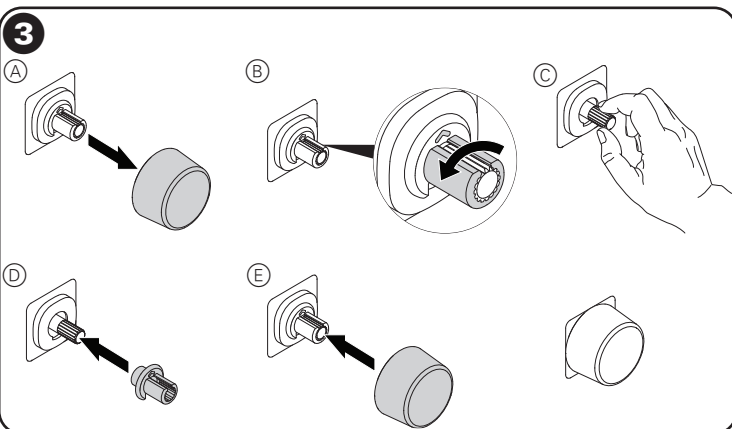
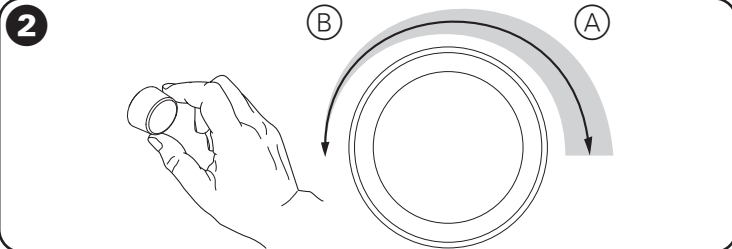
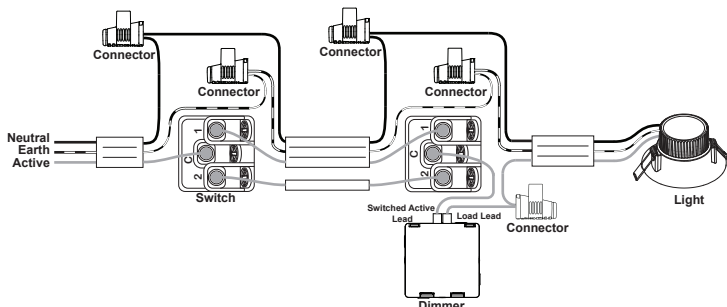


Scan the QR code to view the document online.

1 New Installation, one-way dimming and switching - Looping at the switch



New Installation, two-way dimming and switching - Looping at the switch



For your safety

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- It is illegal for persons other than an appropriately licensed electrical contractors or other persons authorised by legislation to work on the fixed wiring of any electrical installation.
- To comply with all safety standards, the device must be used only for the purpose described in this instruction and must be installed in accordance with the wiring rules and regulation in the location where it is installed.
- There are no user serviceable parts inside the device.

Failure to follow these instructions will result in death or serious injury.

⚠ CAUTION

EQUIPMENT DAMAGED HAZARD

- Install the device according to instructions in this document.
- Do not use the device for any other purpose than specified in this instruction.

Failure to follow this instruction can result in injury or equipment damage.

Installation

- Remove the knob from the shaft.
- Insert the dimmer into the grid plate.
- Connect the wires to the dimmer as per the illustrations 1.
- Secure the knob back to the shaft.

The dimmer is installed and ready to use.

1 Wiring diagram

Make wiring connections as per the illustration.

2 Dimming and Brightening

With the light switched On:

- Turn the knob clockwise (A) to brighten the light.
- Turn the knob counter-clockwise (B) to dim the light.

3 Adjusting the Minimum Brightness Level

- Remove the knob from the shaft (A).
- Remove the adapter.

NOTE: If the adapter remains on the shaft, rotate anti-clockwise until it stops (B). Hold the adapter so the key-way of the adapter aligns with the slot in the body, then pull to remove the adapter.

- Switch the light On.
- Rotate the shaft until the desired minimum light level is reached (C).
- Hold the adapter so the key-way aligns with the slot, then slide the adapter onto the shaft (D), ensuring that the key engages properly with the slot.
- Push the knob onto the adapter ensuring that the flat keyway on the knob aligns with the flat keyway on the adapter (E). Then press the end of the knob until the knob is firmly seated on the adapter.

Technical data

Nominal voltage	220 - 240 V AC, 50 Hz
Load type	LED, incandescent lamp, electronic transformer
Load rating	Min load: 3 W Max load: 350 W
Dimming technique	Trailing edge phase control

Wire configuration	2 wire
Operating temperature	0°C ... 40 °C
Voltage frequency stability	Yes
Short circuit protection	Yes
Thermal overload protection	Yes
Operating humidity	5%-95% RH, non-condensing
IP rating	IP20
Compliance	AS/NZS 60669.2.1, AS/NZS CISPR-15

Product dimensions

30 series	23.3 mm (H) x 23.3 mm (W) x 54.6 mm (D)
P30 series	38 mm (H) x 38 mm (W) x 55.5 mm (D)
600 series	23.9 mm (H) x 23.9 mm (W) x 54.6 mm (D)

Derating

Dimmer per plate	Max load	LED load
1 gang	100%	350 W
2 gang	85%	300 W
3 gang	70%	250 W
4 gang	55%	195 W
5 gang	40%	140 W
6 gang	25%	90 W

Ripple injection interference

In some regions of the country a slight flicker may be experienced at certain times of day when luminaire is dimmed. This is due to power line signals sent by the electricity supply authorities to assist with switching utilities, for example off-peak hot water services. This effect is not a malfunction of the luminaire or dimmer but a result of the local electrical supply conditions changing during the day. If this occurs, adjusting the dimmer to an alternate or maximum brightness will help minimize flickering.

LED compatibility

The dimming performance will depend on the type and brand of the LEDs that are connected and the installation conditions. Clipsal dimmers are designed for optimum performance with Clipsal branded LEDs. Some alternate brand LEDs may not operate as expected. If required, install a 31LCDA load correction device to help improve LED dimming performance.

Warranty information

We warrant this product for 7 years from date of installation.
To make a warranty claim, please reach out to customer care.

For consumer warranty claims in Australia visit [clipsal.com/warranty](https://www.clipsal.com/warranty).

Terms and Conditions

AU – <https://www.se.com/au/en/about-us/legal/terms-and-conditions/>

NZ – <https://www.se.com/nz/en/about-us/legal/terms-and-conditions.jsp>

Customer care

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