

Installer's Manual

DIMRRIP Dimmer Rotary 300W Trailing Edge Ripple Tone Rejection for Flicker Free Dimming 2W Minimum Load

Certified Standard: AS/NZS 60669.2.1, CISPR15 Standards.

Designed to provide optimised dimming of LED based lamps and drivers, this high quality, two-wire phase control wall plate dimmer has a minimum load rating of 2W.

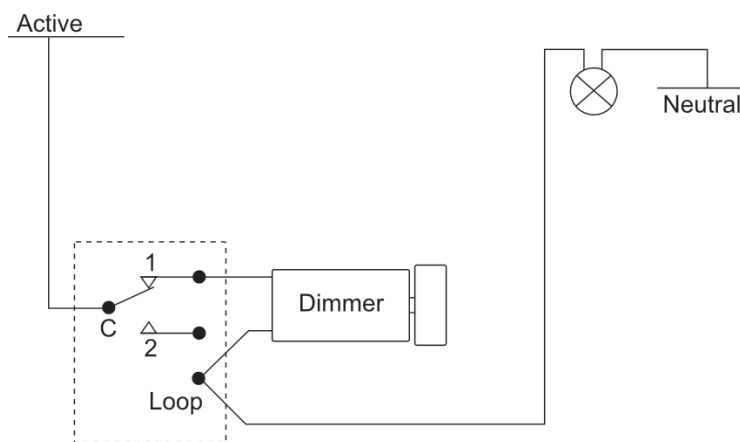
Although optimised for LED lighting loads, the dimmer also provides excellent compatibility with other common lamp types such as incandescent lamps, 12V halogen (dichroic) lamps/transformers and dimmable CFL's.

- Fits Australian wall switch plate apertures
- Separately switched 2 wire design no neutral wire connection required
- Rotary control with mechanical adjustment for minimum / maximum brightness level (minimum brightness typical 0%).
- Soft start for lamp and driver life
- NOT SUITABLE FOR MOTORS OR FANS.
- Includes filtering to reduce load brightness variation under conditions of the line voltage ripple signal injection
- Inherent immunity to installation wiring short circuit fault



Connecting this product must be carried out by a suitably qualified installer who must work in accordance with standard safety procedures for mains-powered electrical.

One-Way Connection Diagram

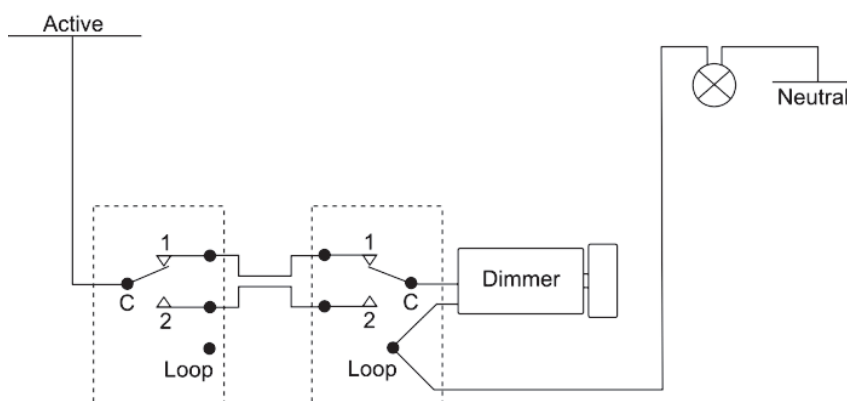


Ripple Tone
Rejection for
Flicker Free
Dimming
Experience



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Two-Way Connection Diagram

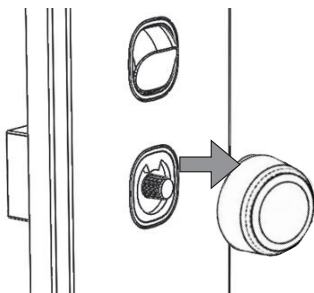
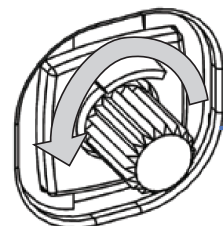
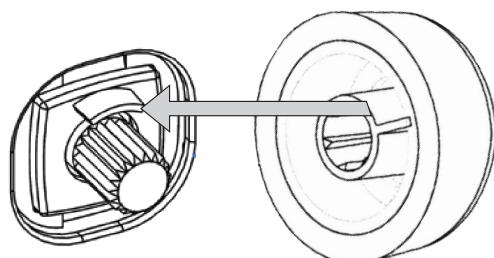
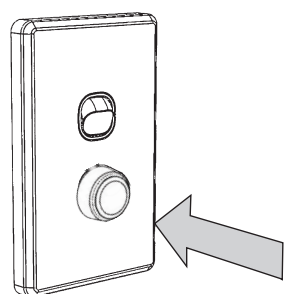


Note

- The two dimmer connections are not polarity sensitive
- More than one dimmer cannot be connected to the same load
- In vertical grid-plate installation the dimmer should be installed in a position lower than the associated separate switch

Setting the minimum / maximum dimming level

The dimmer includes a feature which allows the minimum (or maximum) dimming level to be set. To achieve minimum brightness, install the dimmer and connect the required lighting loads, as described on the previous page, then follow the following steps.

Step 1 Leave the dimmer connected, but remove the dimming knob from the dimming shaft 	Step 2 Turn the dimmer shaft anti-clockwise until the required minimum brightness level is reached. 
Step 3 Align the stop of the knob to the (right hand) angled edge of the dimmer case slot & push onto shaft 	Step 4 Push the dimmer knob back onto the shaft such that the triangular markers remain aligned 

The minimum dimming level is now set

Specifications	
Nominal Live Voltage Amplitude Range	230Vac
Line Voltage Frequency	50Hz Nominal (47 - 53Hz)
Load Brightness Control Range	<1% to >95% (load dependent)
Rated Load	Refer Compatible Loads
Minimum Load	2W

Compatible Load Types			
Load Symbol	Load Type	Maximum Load	Notes
	Dimmable LED Drivers	250W	Maximum permitted number of drivers is 250W divided by driver nameplate power rating
	Dimmable LED Lamps	250W	Due to variety of LED lamp designs, maximum number of LED lamps is further dependent on power-factor result when connected to dimmer.
	Electronic Transformers	300W	
	Standard Iron-core Transformers	250W	Due to variety of transformers designs, max LV lighting load is further dependent on transformer efficiency
	Toroidal iron-core transformers	250W	
	Incandescent	300W	
	Dimmable CFL's	150W	Due to the variety of CFL designs, the maximum number of dimmable CFL lamps is make/model dependent
M.3 (M)	Small Motor Load	N/A	