

Troubleshooting

Rotary dimmer 'buzzes':

- This can occur with leading edge dimmers.

Rotary dimmer gets warm:

- This can occur with dimmers, especially when controlling large loads.

Precautions and Warranty

This product conforms to BS EN 60669-2-1 and BS EN 55015:1993

Please ensure the most recent edition of the appropriate local wiring regulations are observed and suitable protection is provided e.g. 6 amps over current, 1KV over voltage. Please ensure that this device is disconnected from the supply if an insulation test is made.

This product is covered by a warranty which extends to 5 years from the date of manufacture.

Also available from DANLERS

- PIR occupancy switches • Daylight linked dimmers • Manual high frequency dimmers
- Photocells • Radio remote controls • Time lag switches • Outdoor security switches
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DANLERS

Installation notes

Plated rotary 2-way (push-on, push-off) Dimmer for wire wound transformer loads

DP1D 250WI DP1D 400WI DP1D 630WI DP2D 160WI

DANLERS plated rotary 2-way 'leading edge' dimmers are available as either one gang (250, 400 or 630W) or two gang (160W) dimmers. They are supplied on a square plate except for the DP1D 630WI dimmer which is supplied on a rectangular plate.

Press the knob to turn the lamp on and off, rotate it clockwise to brighten the lamp and anti-clockwise to dim it.

The lamp can be switched from other locations by using standard 2-way and intermediate wall switches. It cannot be dimmed from another location and no other dimmer should be connected into the same switch circuit.

Loading

These plated rotary dimmers can control wire-wound transformers (inductive load) used to dim low voltage lamps.

Each gang of each dimmer switch can dim within the following loading limits, they need the following wall box depth and are supplied on the following plate shape. A guide-line maximum number of transformers (TXs) is also included, but this depends on the quality of the transformers being used.

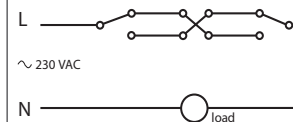
Part Code	Gang	Min (per gang)	Max (per gang)	Box depth	Plate style	Max TXs (per gang)
DP1D 250WI	1	60W	250W	16mm	Square	6
DP1D 400WI	1	60W	400W	40mm	Square	8
DP1D 630WI	1	60W	630W	25mm	Rectangular	12
DP2D 160WI	2	40W	160W	16mm	Square	4

Installation procedure

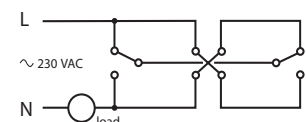
1. Please read these notes carefully before commencing work.
In case of doubt please consult a qualified electrician.
Make sure the power is isolated from the circuit.
2. The soft start grid dimmer should be connected as:
L1 Live 1 (position 1 of 2-way switch)
L2 Live 2 (position 2 of 2-way switch)
3 Common (common of 2-way switch).
- 3 Typical wiring diagrams are shown opposite.
4. Once the wiring has been completed and verified, switch on the supply and test the operation.

Typical wiring diagrams

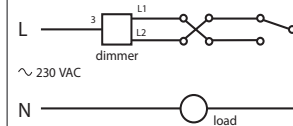
Existing 2 way and intermediate circuit



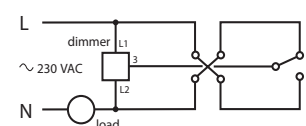
Alternative 2 way and intermediate circuit



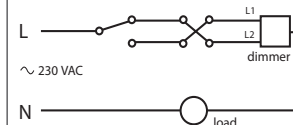
Either of the 2 way switches can be replaced:



Either of the 2 way switches can be replaced:



Or:



Or:

