

## Troubleshooting

### Lamp flickers:

- Load incompatible with leading edge dimming  
Consider using DANLERS trailing edge, Quiet **Grid** dimmer.

### Rotary dimmer fails after some time:

- Halogen lamp, not incorporating an integral safety fuse, failed.

### Rotary dimmer 'buzzes':

- This can occur with leading edge dimmers,  
Consider using DANLERS trailing edge, Quiet **Grid** dimmer.

### 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
- Dimmers • Heating, ventilation and air-conditioning controls • Bespoke / O.E.M. products

Please call for more information or a free catalogue, or visit our website.

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# DANLERS

## Installation notes

### Plated rotary 2-way (push-on, push-off) Dimmers for resistive loads

DP1D 250W	DP1D 400W	DP1D 630W	DP1D 1000W
DP2D 250W	DP3D 250W	DP4D 250W	

DANLERS plated rotary 2-way 'leading edge' dimmers are available as either one gang (250, 400 or 630W) or two gang (250W) dimmers on a square plate or as three or four gang (250W) dimmer on a rectangular plate. The single gang 1000W dimmer is mounted onto 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

DANLERS plated rotary dimmers can control any resistive lighting load, such as incandescent and mains halogen (these should include an integral thermal safety fuse).

Each individual dimmer switch can dim within the following loading limits, they need the following wall box depth and are supplied on the following plate shape.

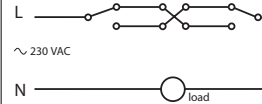
Part Code	Gang	Min (per gang)	Max (per gang)	Box depth	Plate style
DP1D 250W	1	40W	250W	16mm	Square
DP1D 400W	1	60W	400W	16mm	Square
DP1D 630W	1	60W	630W	40mm	Square
DP1D 1000W	1	60W	1000W	25mm	Rectangular
DP2D 250W	2	40W	250W	16mm	Square
DP3D 250W	3	40W	250W	16mm	Rectangular
DP4D 250W	4	40W	250W	16mm	Rectangular

## Installation procedure

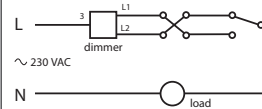
1. Please read these notes carefully before commencing work.  
In case of doubt please consult a qualified electrician.  
Make sure the power is isolated from the circuit.
2. The soft start grid dimmer should be connected as:  
L1 Live 1 (position 1 of 2-way switch)  
L2 Live 2 (position 2 of 2-way switch)  
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

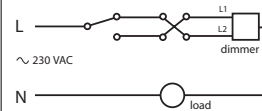
Usual 2 way and intermediate circuit



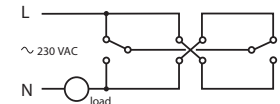
Either of the 2 way switches can be replaced:



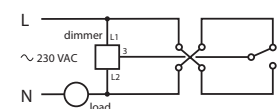
Or:



Alternative 2 way and intermediate circuit



Either of the 2 way switches can be replaced:



Or:

