INSTALLATION INSTRUCTIONS

Leading Edge LED Dimmer

WMDR1L, 1 gang LED Dimmer 220V-240V, 50/60Hz

White moulded rotary dimmer for LED lamps and fittings

Minimum load: **5W***
Maximum load: **250W***
Supply: **220V-240VAC 50/60Hz**

HAGER's WMDR1L is a square plated 2-way 'leading edge' dimmer suitable for LED lamps and fittings. Press the knob to turn the lamp on and off, rotate it clockwise to brighten the lamp and anti-clockwise to dim it. The adjustable trim spindle on the end of the dimmer module is used for designating the minimum dim level.

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.

HAGER's WMDR1L plated push and rotary LED dimmers are compatible with many reputable LED lamps and fittings. However HAGER cannot guarantee that these dimmers will successfully dim ALL LED lamps and fittings. The dimming performance of LED lamps and fittings may vary when different types of lamps are fitted in the circuit.

Each individual dimmer switch can dim within the above loading limits.

***5W is the optimum minimum load on LED lamps tested by HAGER. However due to the variable nature of LED lamp drivers we cannot guarantee 5W is the minimum with ALL LED lamps and fittings.**

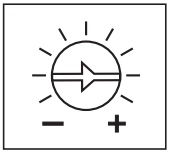
Minimum wall box depth 35mm.

To clean, polish only with a soft, clean, dry cloth. Do not use any fluid.

1. Read these notes before commencing work.
2. In case of doubt consult a qualified electrical contractor.
3. Make sure power is switched off from the circuits you are working on by removing appropriate fuses, or switching off appropriate isolating switches.
4. The LED dimmer should be connected as:
   L1 Live 1 (position 1 of 2-way switch)
   L2 Live 2 (position 2 of 2-way switch)
   V Common (common of 2-way switch).

3 Typical wiring diagrams are shown overleaf.

4. Should the LED lamps or fittings flicker when the dimmer is in the lower end of its range the minimum dim level spindle should be turned to the point at which the lamp stops flickering - see diagram opposite.



5. Once the wiring has been completed and verified, switch on the supply and test the operation.

This dimmer is manufactured in the U.K. and is designed to conform with the standards IEC (EN) 60669-2-1 (Electronic switches). Minimum and maximum loads are quoted on the back of the control.

28/05/19

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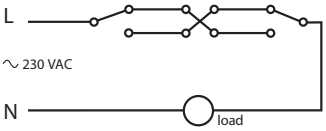
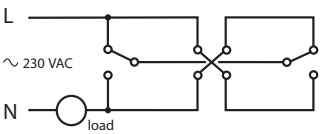
TYPICAL WIRING DIAGRAMS

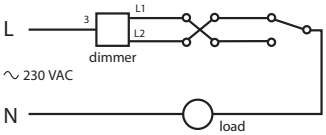
Existing 2 way and intermediate circuit



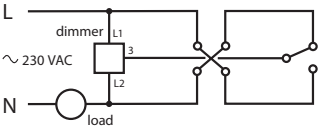
Alternative 2 way and intermediate circuit



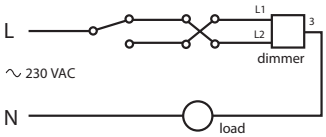
Either of the 2 way switches can be replaced:



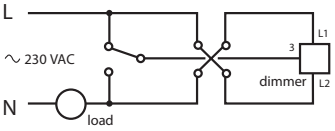
Either of the 2 way switches can be replaced:



Or:



Or:



TROUBLESHOOTING

Lamp flickers:

- Adjust spindle on end of module to trim the minimum dim level
- Load incompatible with leading edge dimming
  Consider using HAGER trailing edge Grid dimmer.

Rotary dimmer fails after some time:

- LED lamp or fitting has failed.

Rotary dimmer 'buzzes':

- This can occur with leading edge dimmers,
  Consider using HAGER trailing edge Grid dimmer.

Rotary dimmer gets warm:

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

This dimmer is manufactured in the U.K. and is designed to conform with the standards IEC 669-2-1 and BS EN 55015:1993.
Minimum and maximum loads are quoted on the back of the dimmer.

For UK customers only:
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