

Trailing Edge Grid Dimmer

WMGSD1T, Trailing Edge Grid Dimmer Module 220V-240V, 50/60Hz

White moulded push grid dimmer module, for one or two way switching

Minimum load: 10W
Maximum load: 400W
Supply: 220V-240VAC 50/60Hz

HAGER's 'trailing edge' dimming technology helps limit the amount of electrical and audio noise generated by the dimmer and load and is the technology specified for certain low voltage transformers. The soft start feature ramps up (virtually indiscernible) the output voltage which can greatly increase lamp life, particularly for low voltage lamps. A short press will switch the load off or restore it softly to its previous setting. A holding press will dim the load up and down in turn.

The load can be switched **AND** dimmed from several locations by using compatible slave switches.

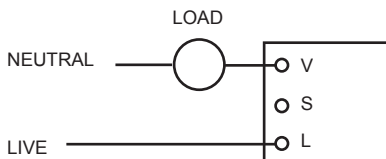
WMGSD1T can control 10-400W of: Incandescent lamps, Mains halogen lamps (must include integral safety fuse), Most directly dimmable LED lamps, Dimmable electronic transformers (max. 6 transformers).

If the load is less than 10W resistive e.g. when dimming compact fluorescent or LED lamps, the lamp may flicker. The load can be augmented using a load resistor connected at the mains lamp fitting or across the input to the low voltage transformer.

WMGSD1T require 35mm (minimum) wall box depth:

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 WMGSD1T should be connected as:
L = Live
V = Variable (dimmed) output
S = Slave connection
3. Typical wiring diagrams are shown below.
4. Existing two-way strapper lines can usually be used to link the Live and Slave wires from the quiet dimmer to the compatible slave switch(es).
5. Once the wiring has been completed and verified, switch on the supply and test the operation.

ONE WAY DIMMING CIRCUIT



In a one way dimming circuit, use L and V only.

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.



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TROUBLESHOOTING

Lamp dims up and down constantly:

- Ensure slave switch has been used, not two way switch.
- Button pressed too hard and jammed. Release button.
- Slave wiring more than 10m long. Use shielded or twisted wiring.

Lamp flickers:

- Minimum load not reached or Electronic transformer unstable: Fit Resistive load device.
- Load incompatible with 'trailing edge dimming'. Consider a HAGER leading edge dimmer.

Quiet dimmer fails after some time:

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

Quiet dimmer gets warm:

- This can occur with dimmers, especially 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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