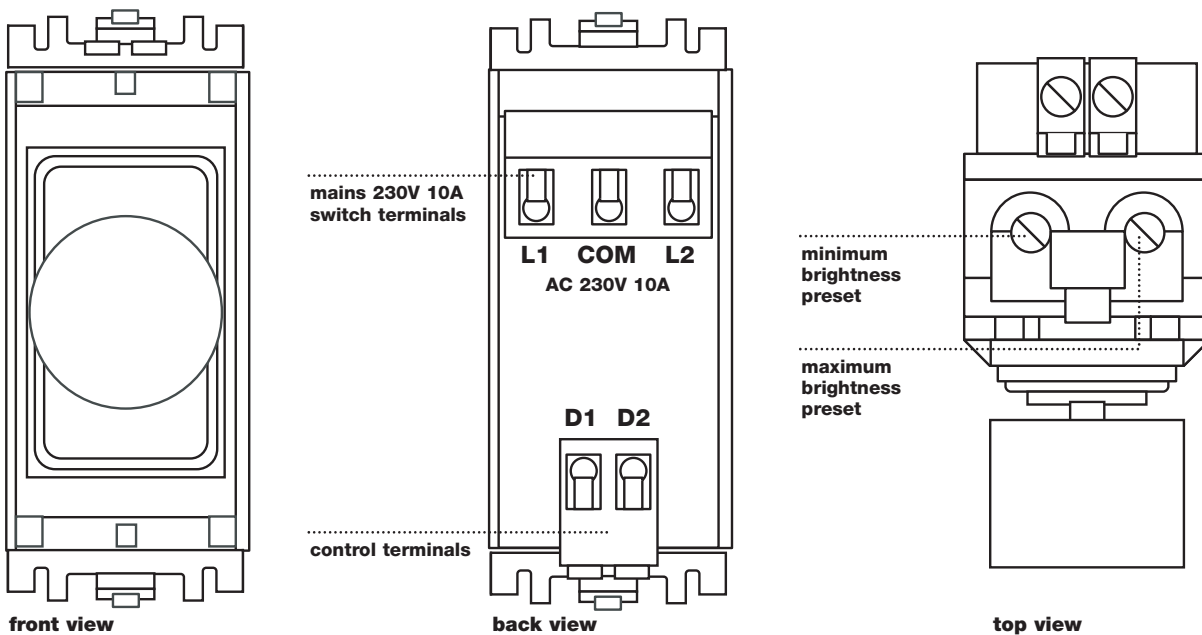




## Push Switch Controller:

To be used in conjunction with Multiload LampConserver Dimmer



**Note:** Drawing is of an RPS-MRM rotary push switch module for use with MK GridPlus plate systems, ie. RPS-MRM-MKGP

### Features

**Mains potential control** from terminals D1, D2: 2-wire, polarity insensitive, low current, analogue control of the MD2500U by rotation of the control knob. This connects to the dimming terminals D1, D2 on the MD2500U and controls the brightness of lamps connected to the MD2500U.

Easy access minimum and maximum brightness screwdriver presets set the dimming range covered by the rotary control. Set minimum preset first: setting maximum will not affect minimum setting. Brightness levels are not affected by temperature changes around module.

In addition to dimming by rotation of control knob, push on/push off action of knob provides on/off switching of mains power (2-core mains cable + earth if required) or changeover switching (3-core mains cable + earth if required). The latter allows two way or multi way mains switching by inclusion of additional changeover and perhaps intermediate switches in mains supply circuit to the MD2500U.

### Warning

- 1 The device must be installed and commissioned by an authorised electrician.
- 2 The device may be used for permanent interior installations in dry locations with suitable surface plates fitted.
- 3 Protective Earth (PE) must be connected for metal back plates, and when standards dictate.
- 4 D1, D2 terminals of the RPS-MRM and MD2500U must be connected only to each other (via a polarity insensitive low current mains potential connection). Connection of any high current mains voltage L, N, or E to these terminals will cause damage.

### Options

The RPS-MRM push switch controller is produced for use with the following plate systems:

**1 MK GridPlus** – size: one MK GridPlus module, depth 26mm.  
Part number: RPS-MRM-MKGP

**2 Wandsworth Series 2 or 3 grid system.**  
Part number: RPS-MRM-WAND

**3 Forbes and Lomax plates**  
Part number: RPS-MRM-FL

Please specify Plate System and Plate Finish when ordering.

### Specification

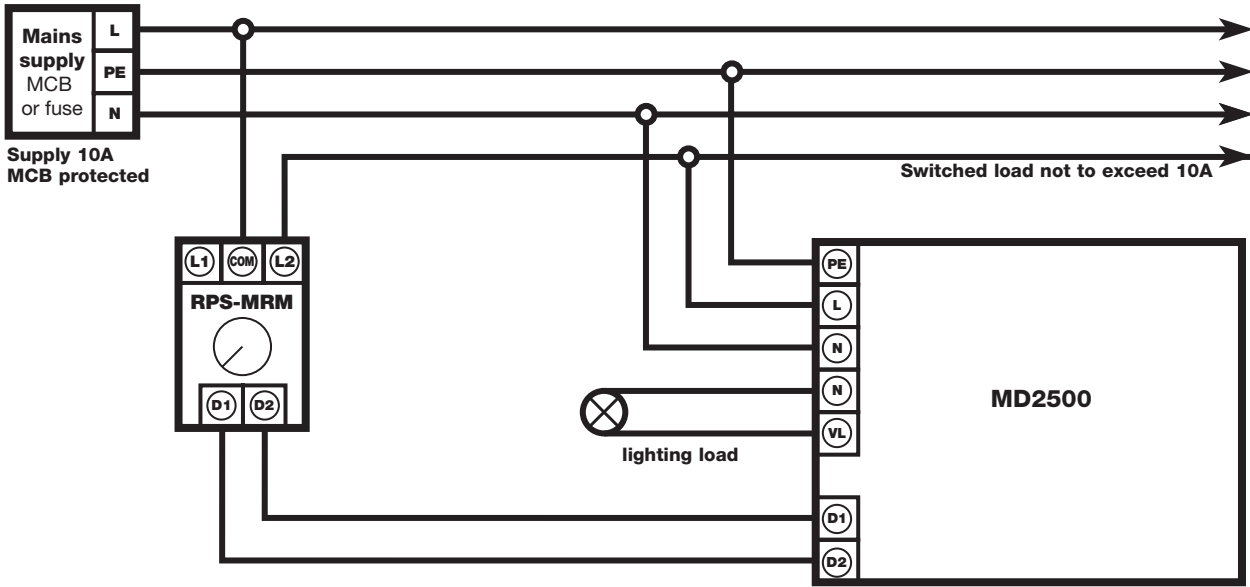
**Mains Voltage:** AC 230V +/-10% (protect by max 10A MCB)

**Mains Output:** Switched mains output – 3-wire terminal for changeover switching – L1, COM, L2.

Max cable size 2.5mm<sup>2</sup>

**Control Terminal:** Mains potential, low current, D1, D2.  
Maximum cable size 2.5mm<sup>2</sup>

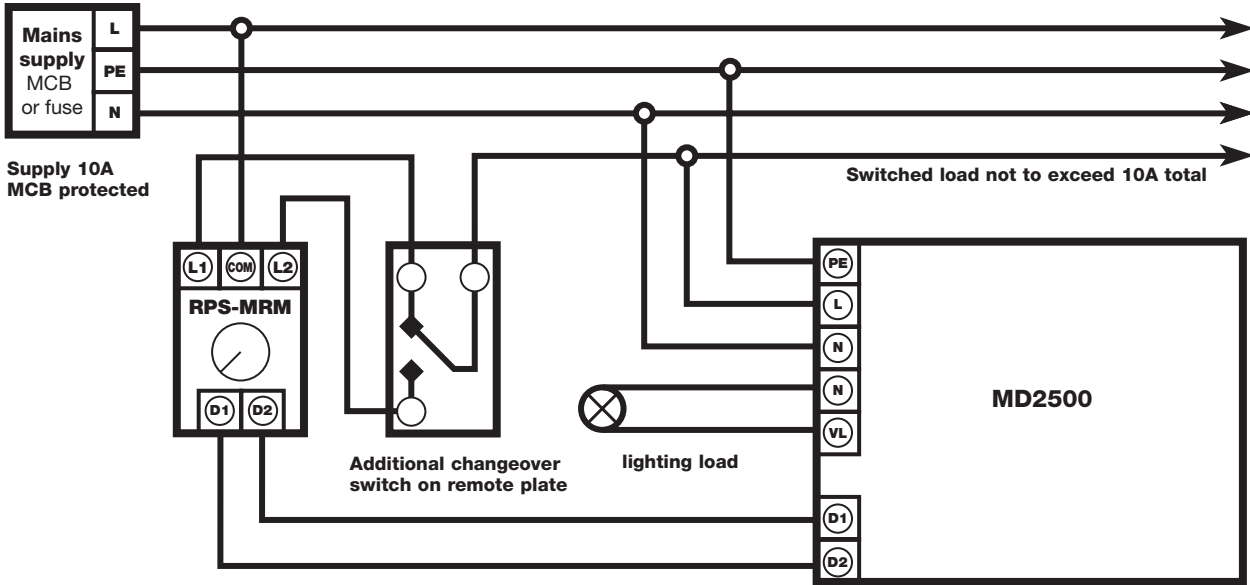
Connections: One-way switching



**WARNING:**

D1, D2 terminals of the RPS-MRM and MD2500U must be connected only to each other (via a polarity insensitive low current mains potential connection). Connection of any high current mains voltage L, N, or E to these terminals will cause damage.

Connections: Two-way and multiway switching



**Two-way switching expands to multi-way switching by connection of intermediate switches on other remote plates**

**NB:** One RPS-MRM controls one MD2500U. No other RPS-MRM or MD2500U can be connected (except if an RPS-MRM is used as an additional push on / push off changeover switch with only L1, COM, L2 connected)