



PMD1G400X, PMD2G400X, PMD3G400X, PMD4G400X Instructions

Push On / Off Rotary Trailing Edge Dimmer

Important User Information

Please read these instructions carefully before installation and leave a copy for the user / maintenance engineer for future reference

Do not mix lamp types and wattages on the same lighting circuit.

Before switching off the lamps turn the dimmer switch to maximum, this will ensure that the lamps are at the correct voltage when next switched on.

Always wait for lamps to reach full brightness before setting the dimming level.

Applications

This dimmer switch is suitable for the following:

Dimmable compact fluorescent lamps

Dimmable LED lamps

Operating Temperature 0 - 40c°

IP Rating: Terminal side - IP00, Rotary switch side IP20

Maximum terminal Cable Size: 0.75-1.5 mm²

This Dimmer Switch Is Not Suitable for

- Non-dimmable fluorescent bulbs and tubes
- Wire-wound or toroidal transformers
- Electric motors

Maximum Loading

Lamp Type	Min Wattage	Max Wattage	OR	Max Number Units/Drivers
Incandescent	10w	400w		
Mains Halogen	10w	150W		8
Low Halogen	10w	150W		8
CFL	10w	100W		4
LED	5w	200W		6

INSTALLATION

Read These Instructions Carefully. If In Any Doubt, Consult A Qualified Electrician

Always switch off mains supply before installation or maintenance works.

- Remove the existing switch taking note of the wiring terminations. If there are two or more wires in one terminal connect them into the same terminal on the dimmer.

- When removing the insulation of the cabling ensure that no bare conductors are exposed from the terminals.

1. Turn the dimmer switch clockwise

2. Using a small terminal screwdriver turn the potentiometer (side of the dimmer module) anticlockwise.

3. Switch on the mains supply.

4. Ensure that the lamps reach full brightness; this may take 1 or two minutes for new compact fluorescent lamps.

5. When the lamps are at full brightness slowly turn the dimmer switch fully anti-clockwise.

6. Turn the potentiometer clockwise until the desired minimum light level is reached.

7. If it is turned too far the lamps may extinguish, repeat steps 6 – 1.

- Install the dimmer plate into the wall box ensuring that the wiring is not trapped. Tighten the plate fixing screws.

- A slight buzzing noise may be heard from the dimmer switch in operation, this is perfectly normal.

WIRING CIRCUITS

This dimmer module is suitable for 1 or 2 way lighting circuits and has 3 screw terminal connections L1, L2 and C (common).

NOTE: When using -2way switching lamps could be switched off while dimmed. Compact fluorescent lamps need to have full mains voltage in order to switch on.

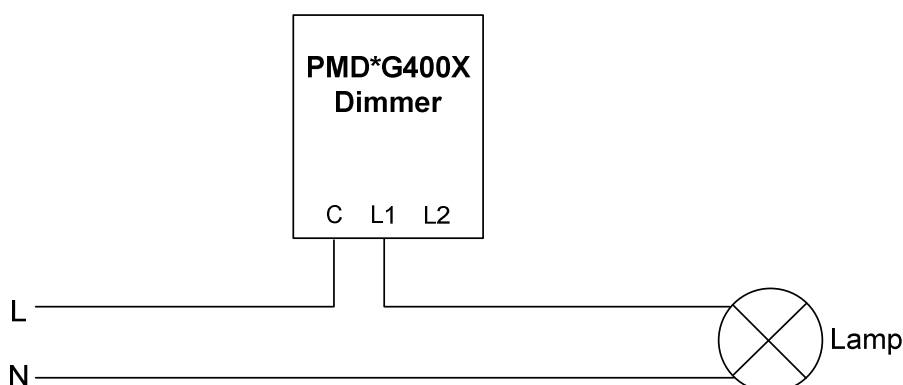
If the lamps do not illuminate turn the dimmer switch full on, the lamps will then illuminate. Wait for full brightness before dimming the lamps.

1-Way Switching

Each lighting circuit is controlled by one switch.

Connect the incoming Live to the terminal marked C.

Connect either L1 or L2 to the live feed to the lighting circuit. A neutral is also required at the lamp.



2-Way Switching

2-Way lighting circuits have two switches controlling the same lights from two different locations.

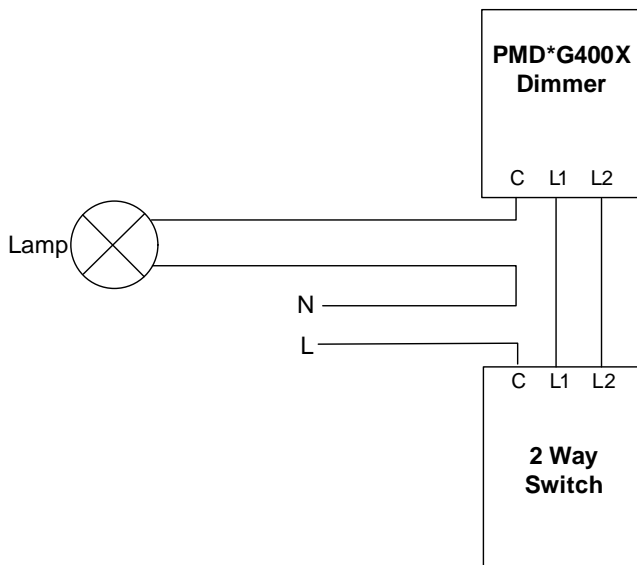
This arrangement is commonly used at the top and bottom of staircases or at the entry and exit doors to a room.

Only one standard plate switch may be replaced with a dimmer switch for 2-way switching applications or the lights will flicker on and off.

See Figure 2 for a typical 2-way circuit.

Remove one of the existing switches taking note of the wiring of the switch and the terminal markings.

The wires connected to the COMMON terminal of the plate switch should be connected to the C terminal of the dimmer switch. The wires connected to the other two terminals of the plate switch should be connected either way round to terminals L1 & L2 of the dimmer switch.



Due to our policy of continuous improvement we reserve the right to change specification without prior notice.

Errors and omissions excepted. These instructions have been carefully checked prior to publication. However, no responsibility can be accepted by E-Matic for any misinterpretation of these instructions.

E-Matic Energy Management Solutions

Distributed by: Challenger Security Products

10 Sandersons Way, Blackpool, FY4 4NB

Tel: 01253 791888, Fax: 01253 791887

Email: enquiries.ematic@adivision.co.uk

Web: www.e-matic.co.uk

