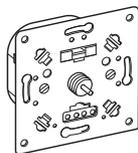


## Electronic Potentiometer insert 1-10 V

User Guide



MEG5142-0000

### For your safety

#### ⚠ ⚠ DANGER

##### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals. Skilled professionals must prove profound knowledge in the following areas:

- Connecting to installation networks
- Connecting several electrical devices
- Laying electric cables
- Safety standards, local wiring rules and regulations

**Failure to follow these instructions will result in death or serious injury.**

#### ⚠ ⚠ DANGER

##### HAZARD OF ELECTRIC SHOCK

The outputs may carry an electrical current even when the device is switched off.

- Before working on the loads, always disconnect the device from the supply via the upstream miniature circuit breaker.

**Failure to follow these instructions will result in death or serious injury.**

#### Notice

##### HAZARD OF EQUIPMENT DAMAGE

- Ensure that the device is disconnected from its circuit during the insulation resistance test.

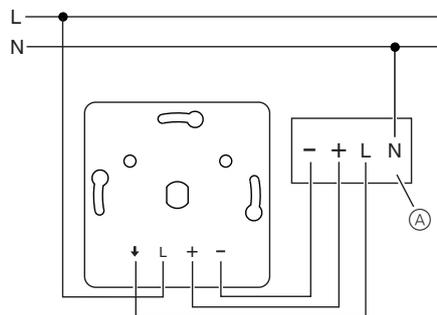
**Failure to follow these instructions can damage the device.**

### Electronic potentiometer insert introduction

Using the electronic potentiometer insert (hereafter referred to as "insert") you can switch and dim fluorescent lamps, with electronic ballast or electronic transformers with a 1–10V interface, with a rotary knob.

### Installing the insert

Wire the insert for the application required.



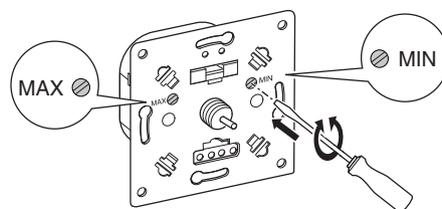
Ⓐ electronic ballast (EB)

#### Setting the minimum brightness of the lamps.



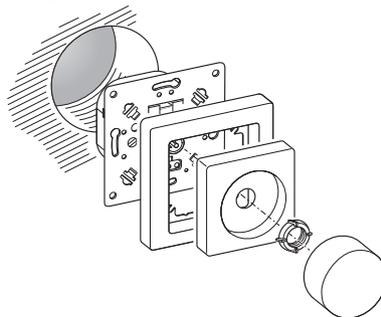
The connected lamps should illuminate a minimum brightness when the insert is switched on and when the rotary switch has been dimmed down.

Set the minimum brightness and the maximum brightness before installing the covers.

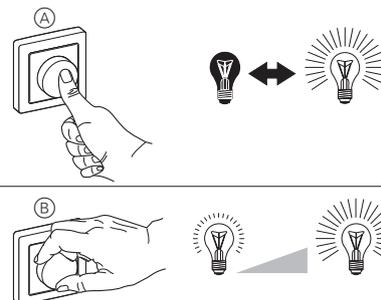


- ① Switch on insert.
- ② Dim the brightness right down using the rotary knob.
- ③ Set the minimum brightness using the right-hand set-screw (MIN).
- ④ Dim the brightness right up using the rotary knob.
- ⑤ Set the maximum brightness using the left-hand set-screw (MAX).

#### Installing the insert and covers.



### Operating the insert



- You switch the connected lamps on and off by simply pressing the rotary knob Ⓐ.

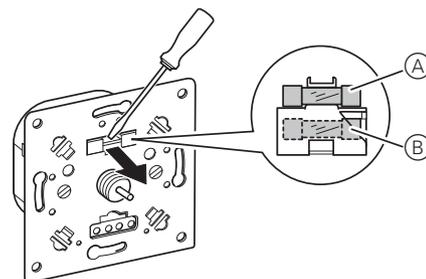
- By turning the rotary knob Ⓑ, you dim the lamps brighter or darker.

### What should I do if there is a problem?

#### The connected lamp doesn't switch on.

- Check the fuse, replace if necessary.
- If there is an overload due to the fact that the operating temperature is too high, it will not be possible to switch the insert back on, and it must be replaced.

### How to change the fuse



- ① Remove the covers.
- ② Prise the fuse holder out using a screwdriver.
- ③ Remove blown fuse Ⓐ and replace with replacement fuse Ⓑ.

### Technical data

Mains voltage:	AC 230 V, 50 Hz
Nominal load:	400 VA at 1.7 A
Control current:	max. 20 mA at 10 V max. 200 mA at 1 V min. 0.2 mA
Load type:	Controllable electronic ballasts for fluorescent lamps
Short-circuit protection:	Fuse, F6.3AH
Connecting terminals:	Screw terminals for max. 2x 2.5 mm <sup>2</sup>
Surge protection:	Electronic
Operating temperature:	+5 °C to +35 °C

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