

Rotary dimmer with control knob 12 V DC

Order no.: 9 2876 25 xx

Operation and assembly instructions

1 Safety instructions

Installation and assembly of electrical devices may only be carried out by an electrician.

Failure to observe these instructions may lead to damage to the device, fire, or other hazards.

These instructions are an integral component of the product, and must be retained by the end user.

2 Function

The rotary dimmer conforms to Motor Vehicle Directive 95/54/EG (e1-no. 03 4602), and enables switching and dimming of 12 V incandescent and halogen lamps.

The rotary dimmer has an overtemperature protection function. In the event of an overload it is deactivated permanently.

3 Operation

Switching lighting ON/OFF

- Press control knob.
The switching state of the lighting changes.

Dimming the lighting

The lighting is already switched on.

- Turn control knob.
The lighting becomes brighter/dimmer.

4 Information for electricians

4.1 Assembly and electrical connections

Connecting the rotary dimmer



DANGER!

Danger from faulty connection.

Faulty connection can lead to fire or destruction of the device.

Observe regulations for installation!

The dimmer must be protected by an upstream fuse (see Technical data). A cable cross-section of 1.5 mm² is recommended for the power supply.

- i** The maximum connected load must be reduced according to the installation conditions:
- by 10 % for every 4.5 °C by which the ambient temperature exceeds 35 °C
 - by 10 % when more than one dimmer is installed in a horizontal multi-component combination
 - by 20 % when more than one dimmer is installed in a vertical multi-component combination

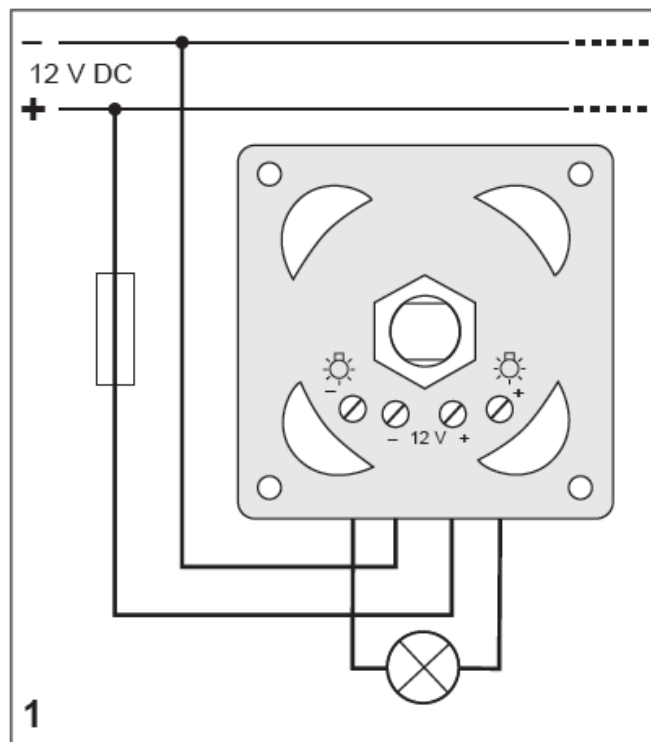


Figure 1

- Connect the rotary dimmer (Figure 1).
The rotary dimmer is now ready for installation.

Installing the rotary dimmer

The rotary dimmer is intended for connection to fixed wires in cavities and connection chambers made of non-combustible materials according to DIN 4102.

- i** The rotary dimmer is not suitable for use in Berker B.Mobil mounting boxes or surface-mounted housings.

Once the rotary dimmer has been connected.

- Position rotary dimmer in the installation aperture.
- Fasten rotary dimmer to the wall with screws through the screw holes provided.
- Slip the control knob on.
- Fit the frame (see Accessories).
The assembly is now complete.

5 Annex

5.1 Technical Data

Rated voltage	10 – 15 V DC
Dimmer power	10 – 60 W
Load types	12 V incandescent lamps 12 V halogen lamps

- i** Mixed operation is possible up to the maximum total power.

Upstream fuse required

5 A according to DIN 72581-1
5 A according to DIN 72581/3F
or ISO 8820-3

Power cable, recommended

1.5 mm²

Installation depth

33 mm

Operating temperature

0 ... 35 °C

Overtemperature protection

permanent deactivation in the event
of an overload

5.2 Troubleshooting

Lighting cannot be switched on or dimmed.

Cause 1: Light bulb defective.

Change light bulb.

Cause 2: Upstream fuse has blown.

Check fuse, exchange if necessary.

Cause 3: Overtemperature protection has tripped.

Exchange the rotary dimmer.

5.3 Accessories

Berker B.Mobil frames

1gang

Order no. 9 1827 25 xx

2gang

Order no. 9 1826 25 xx

3gang

Order no. 9 1819 25 xx

5.4 Warranty

We reserve the right to make technical and formal changes to the product in the interest of technical progress.

Our products are under guarantee within the scope of the statutory provisions.

If you have a warranty claim, please contact the point of sale or ship the device postage free with a description of the fault to the appropriate regional representative.

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