

Powerline dimmer actuator 1-10V

PL-AMD10V

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:

-20°C up to +50°C.

Storage temperature: -25°C up to +70°C.

Relative humidity:

annual average value <75%.

Powerline dimmer actuator 1-10V.

53x43mm, 25mm deep, for mounting in 58mm switch boxes. To switch and/or dim via a 1-10V interface. 1 NO non-floating contact 600VA. Standby loss only 0,5 watt. To activate and dim at different places.

Current sink of max. 30mA for active and passive electronic ballasts.

Up to 6 electronic ballasts can be switched in parallel. A Powerline sensor input is required for activation.

Two rotary switches are located on the front for address assignment:

The left rotary switch defines the group address g with 16 alphabetical values from A to P.

The right rotary switch defines the element address e with 16 numerical values from 0 to 15.

Above it is a slide switch which has no function here.

To the left of the rotary switches is a red LED which indicates all activities. Next to it is a reset pushbutton and to the right of that is a service pin.

The terminals located above are plug-in terminals for conductor cross-sections of 0.2 mm² to 1.5 mm².

Address assignment:

The left rotary switch defines the group address **g** with 16 alphabetical values from A to P.

The right rotary switch defines the

element address **e** with 16 numerical values from 0 to 15.

Any number of devices (actuators/sensor inputs) can have the same **g** and **e**.

All actuators with the same **g** and **e** are switched together.

The group address **g** identifies a main group, e.g. all Venetian blind actuators have the same **g** but different **e**.

Elementary address **e**

Sensor inputs with **e = 0** act on all actuators with the same **g** irrespective of **e** (e.g. central control for Venetian blinds).

Addresses can be changed at any time (when power is applied or not applied).

Start-up:

First installation:

Powerline devices are unconfigured in as-delivered state.

1. Switch off the main fuse.
2. Assign the device addresses (actuators/sensor inputs) by using the rotary switches and fitting all the devices.
3. Switch on the main fuse. **The LEDs of the unconfigured devices flicker.**
4. Press the pushbutton (switch) of an unconfigured device (actuator/sensor input) 5 times (10 times) within 5 seconds to generate a new domain (home address). After 5 seconds, all the existing devices in the new domain (home address) are integrated and functioning. **The LEDs of the configured devices are off.**

Extending the installation:

1. Switch off the appropriate fuse.
2. Assign the addresses of the new devices (actuators/sensor inputs) by using the rotary switches and fitting all the new devices.
3. Switch on the main fuse. **The LEDs of the unconfigured devices flicker.**
4. Press the pushbutton (switch) of a **previously installed and configured** device 5 times (10 times) within 5 seconds. The actuator/sensor input transfers its domains (home address) to the new devices. **The LEDs of the configured devices are off.**

Reset to as-delivered state:

With the mains voltage applied, use a small insulated screwdriver to hold down the **Reset** pushbutton for at least 5 seconds. The LED first lights up and flickers after 5 seconds. The as-delivered state is restored.

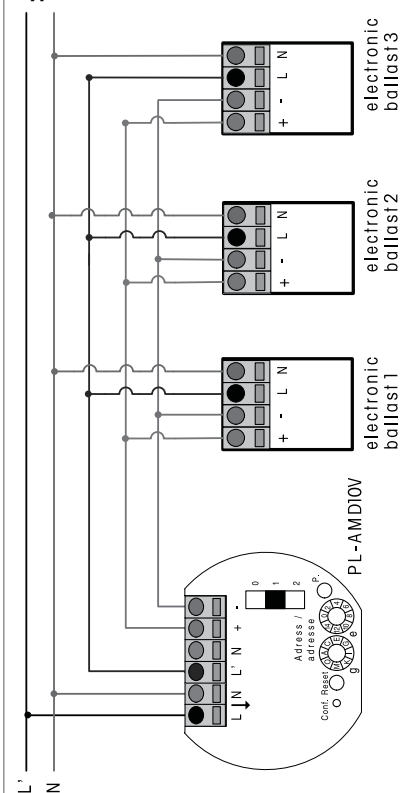
Send node ID:

Use a small insulated screwdriver to briefly press Service Pin **P**. The Powerline node ID is sent.



Only cables and terminals which are approved for mains voltage (230V) may be used for installation. The 1-10V interface is not isolated, so the requirements for safety extra-low voltage (SELV) are not inherent.

Typical connection



Must be kept for later use!

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