

DECENTRALISED UNIVERSAL DIMMER ACTUATOR WITH SENSOR INPUT 230 V PL-SAMDU



Manuals and documents in further languages:  
<https://eltako.com/redirect/PL-SAMDU>

PC software SIENNA-Professional  
 page 4-9.

Typical connections on page 4-10.

PL-SAMDU



Powerline universal dimmer actuator. 53 x 43 mm, 40 mm deep for mounting in 58 mm switch boxes.  
 Power MOSFET up to 300 W. Automatic lamp detection. Sensor input 230 V. Standby loss only 0,6 Watt. To control and dim at the same place.

Universal dimmer switch for lamps up to 300 W, dependent on ventilation conditions. Dimmable 230 V-LED lamps and dimmable energy saving lamps ESL, additionally dependent on the lamps electronics. No minimum load.

**Zero passage switching with soft ON and soft OFF to protect lamps.**

Short-time control commands switch on/off, permanent control varies the brightness to the maximum or minimum level. A interruption of control changes the direction of dimming. The brightness level is stored on switch-off (memory). Minimum and maximum brightness can be changed with SIENNA Professional. In case of a power failure the switch position and the brightness stage are stored and may be switched on when the power supply is restored.

Automatic electronic overload protection and overtemperature switch-off.

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 acts **as a configuration switch:**

**The position AUTO1** allows the dimming of all types of lamps up to 300 watts.

**The position LC1** is a comfort position for LED lamps up to 150 watts which are not being dimmed down enough when set to AUTO (trailing phase angle) dependent on the construction and must therefore be forced to leading phase angle.

**The position AUTO2** allows the dimming of all types of lamps up to 300 watts. Increased minimum brightness compared to AUTO1.

**All entries and configurations can also be accessed via the mains using the PC software SIENNA Professional (see page 4-9).**

In position LC1 no inductive (wound) transformers should be used. In addition, the maximum number of dimmable LED lamps can be lower than in the AUTO position dependent on the construction.

Mixing of L loads (inductive loads, e.g. wound transformers) and C loads (capacitive loads, e.g. electronic transformers) is not permitted. R loads (ohmic loads, e.g. 230 V incandescent lamps and halogen lamps) may be added anytime.

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. For functions, please refer to the operating instructions.

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

PL-SAMDU	Powerline universal dimmer actuator 1 channel with sensor input 230 V	Art. No. 31100008	130,70 €/pc.
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