

**PLG 1,2-Pb Battery back-up charging unit**  
for lead accumulators

**Performance data:**

- 12 or 24 V switchable
- 1.2A maximum charging current; limitation of current and voltage
- Minimal heat radiation through secondary switching
- Alarm contact at over-discharging
- Short circuit and overload protected
- Charging state indication by LED's
- Suitable for batteries up to 10Ah
- For mounting on a DIN-rail

## Technical Description:

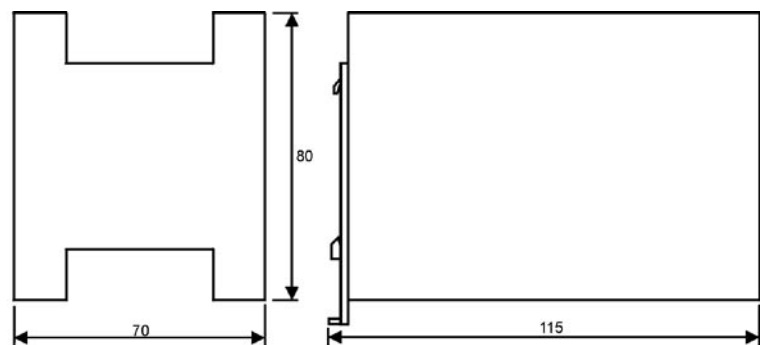
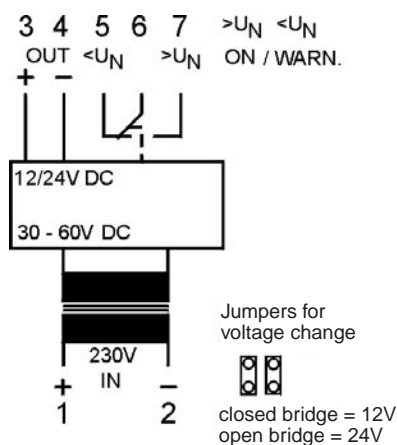
The PLG 1,2-Pb unit charges the connected lead-accumulator with a given final charging voltage. A constant current charging method with voltage limiter is used in order to rule out overload due to gas formation in the cells at the end of the charging process. The voltage change-over can be made by means of two jumpers next to the output terminals.

Parallel to the charging operation the battery charger supplies the linked control with current while mains voltage is there. In case of power failure the charged battery takes over the supply without any interruption. A signal relay with potential-free change-over contact watches the output voltage. During failure-free operation this relay is picked up; the green LED lights up and signals that the accumulator is ready for use. At a lower deviation of the final discharging voltage or at overload the relay releases and the red LED lights up.

The power supply unit PLG 1, 2-Pb is sustained short-circuit-proof. The ambient temperature of the accu should be in the range of +5°C ... +35°C. In the event of operation in higher ambient temperatures (top temperature: 50°C) the correction of the charging voltage is necessary (we need explicit information in your order form).

## Technical data:

|                                 |   |
|---------------------------------|---|
| Primary voltage                 | 230V +10% / -15 % 50/60 Hz  |
| Output voltage                  | 12 or 24V DC  |
| Maximum charging current        | 1.2A  |
| Final charging voltage          | 13.6V (12V rated nominal voltage) or<br>27.2V (24V rated nominal voltage) |
| Final discharging voltage       | 9V or 18V   |
| Load capacity of relay contacts | 24V AC/DC or 230V AC 5A   |
| Operating ambient temperature:  | -20°C ... +60°C (without condensation)                                    |
| Storage temperature             | -20°C ... +70°C (without condensation)                                    |
| Isolation test                  | 4kV; air and creep paths  |
| Transformer capacity            | 45VA  |
| Primary fuse rating             | T 0.4A  |
| Mounting position:              | any   |
| Weight:                         | 1.3 kg  |
| Other voltages on request       |   |



Dimensions in mm

The right to make technical changes is reserved



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