

# REOTRON EW 509

*Thyristor power regulator*



## Unique Selling Point

- Setpoint via potentiometer  
0...+10 V, 0(4)...20 mA
- Mounting to 35 mm DIN-rail
- Supply voltage switchable

## Description

REOTRON EW 509 is a singlephase thyristor power regulator for load currents up to 15 A. The control electronics are isolated from the mains voltage. Load power is controlled by means of thyristors operated in the phase-angle control mode.

The setpoint signal can be provided either by a potentiometer, or by a 0...+ 10 VDC or a 0(4)...20 mA control signal. Matching of load power to the required setpoint range is effected by internal trimmer potentiometers for  $U_{min}/U_{max}$ .

Remote control of the unit is possible by means of an enable/inhibit input. An internal control circuit compensates variations of the mains supply. The unit is mounted to a 35 mm DIN rail according to EN 50022-35.

## Technical Data

- Input voltage : 230 / 400 V + 6% / - 10%
- Output voltage : 0... $U_e$  V
- Output Current : 15 A
- Schutzart : IP20
- Input voltage switchable : . V

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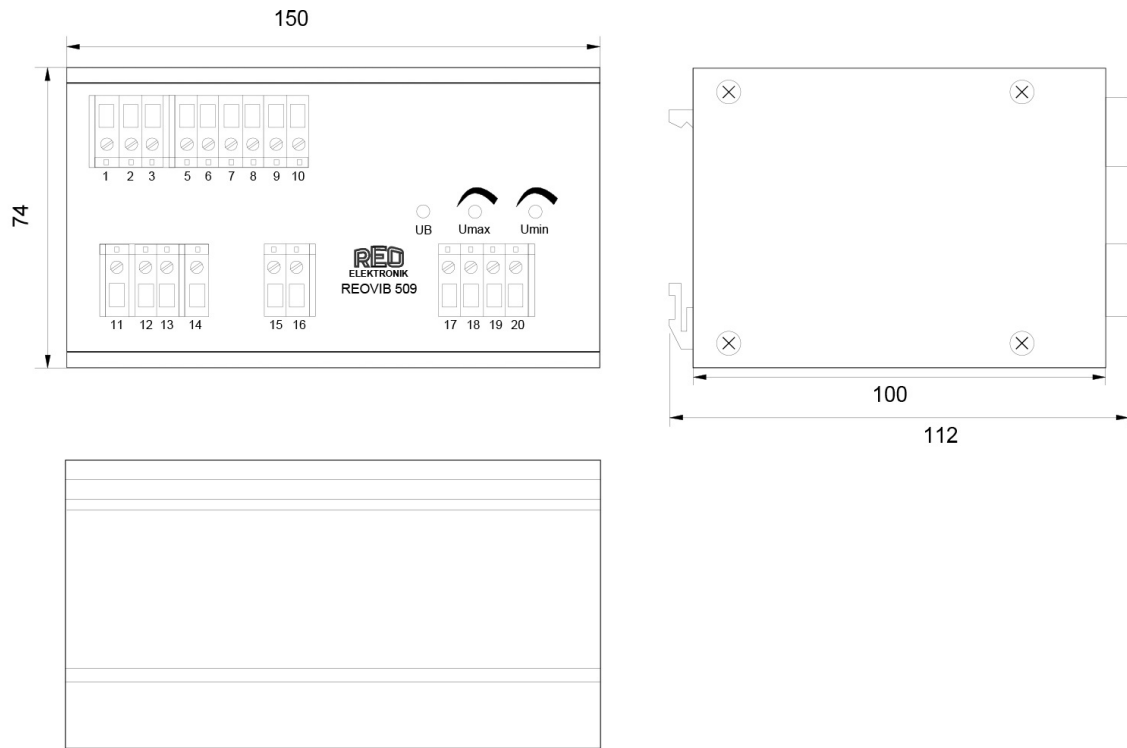
## Technical data

| Type                   | REOTRON EW 509  |
|------------------------|---|
| Input voltage:         | 230 V, + 6% / - 10%, 50/60 Hz<br>400 V, + 6% / - 10%, 50/60 Hz    |
| Output voltage:        | 0...230 V (Part# 50912)<br>0...400 V (Part# 50913)                |
| Output current:        | 15 A  |
| Setpoint:              | external with 0...+ 10 V, DC<br>0(4)...20 mA, Potentiometer 10 kΩ |
| Release:               | 24 V, DC or contact   |
| Start relay:           | Changer 250 V, 1 A  |
| Operating temperature: | 0...+ 45 °C   |
| Protection:            | IP 20   |

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Dimension drawing



| Type   | a<br>[mm] | b<br>[mm] | c<br>[mm] | d<br>[mm] |
|--------|-----------|-----------|-----------|-----------|
| EW 509 | 150       | 74        | 112       | 100       |