GB

Eltako ELECTRONICS

# Switching relay ER12-100-8..230 V UC, ER12-200-8..230 V UC, ER12-110-8..230 V UC

CE

**ER12-100:**
1 NO contact potential free 16 A/250 V AC.

Same terminal connection as electromechanical switching relay R12-100-.

**ER12-200:**
2 NO contacts potential free 16 A/250 V AC.

Maximum current across both contacts 20 A for 230 V.

Same terminal connection as electromechanical switching relay R12-200-.

**ER12-110:**
1 NO + 1 NC contact potential free 16 A/250 V AC.

Same terminal connection as electromechanical switching relay R12-110-.

Incandescent lamp load up to 2000 W.

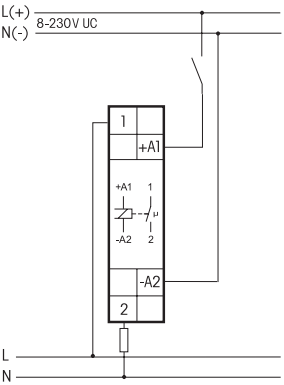
Universal control voltage 8 to 230 V UC.

Bistable relay as relay contact.

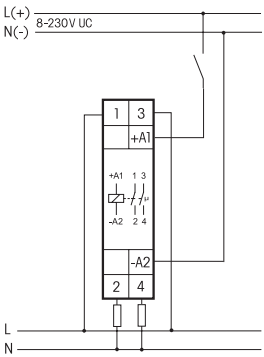
By using a bistable relay coil power loss and thereby heating is avoided even in the on mode.

By transport it is possible, that the switching contact of the bistable relay is already closed, even though no control voltage is applied yet. Applying the control voltage for the first time the bistable relay synchronises with the internal control electronics. The switched consumer shall not be connected to the mains before this one-time synchronisation has terminated.

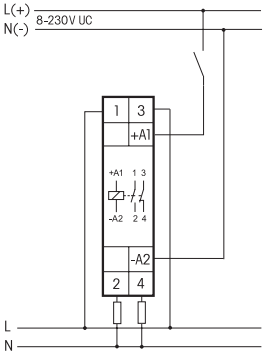
**Typical connections**




**ER12-100**




**ER12-200**




**ER12-110**

**Technical Data**

| | |
|---|---|
| Control voltage | 8..230 V UC |
| Rated switching capacity | 16 A/250 V AC |
| Incandescent lamp load 230 V [1] | 2000 W |
| Halogen lamp load 230 V [1] | 2000 W |
| Fluorescent lamp load (KVG) in lead-lag circuit | 1000 VA |
| Fluorescent lamp load (KVG) non compensated | 1000 VA |
| Fluorescent lamp load (KVG) shunt-compensated | 500 VA |
| Fluorescent lamps (EVG) | 500 VA |
| Compact fluorescent lamp (EVG) and energy saving lamps | I on ≤70 A/10 ms [2] |
| Standby loss | - |

[1] For lamps with 200 W max

[2] For electronic ballast gears a 40fold inrush current has to be calculated.

The strain relief clamps of the terminals must be closed, that means the screws must be tightened for testing the function of the device. The terminals are open ex works.

## Important reminder!

**Only a trained electrician may install this equipment, otherwise there is a risk of fire or electric shock.**