

Energy saving unit
Key card holder RFID

Safety instructions



Electrical devices may only be mounted and connected by electrically skilled persons.

Serious injuries, fire or property damage possible. Please read and follow manual fully.

Danger of electric shock. Always disconnect before carrying out work on the device or load.

Danger of electric shock. Device is not suitable for disconnection from supply voltage.

These instructions are an integral part of the product, and must remain with the end customer.

Device components

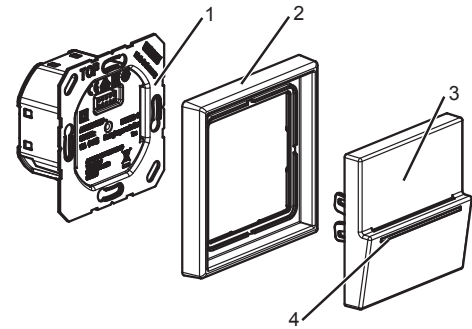


Figure 1: Device components

1. Energy saving unit
2. Frame
3. Key card holder RFID
4. RGB lens

FUNCTION

Intended use

- Switching of lighting and other loads
- Triggering of external control systems
- Installation in flush-box according to DIN 49073

Product characteristics

- Operation with RFID cards according to ISO / IEC14443 and ISO / IEC15693
- 2 make contacts, one of them with configurable run-on time
- Status indication with RGB lens
- Lens is dimming down 30 s after inserting the card
- Run-on time is signalled by RGB lens after removing the card.

Operation

Lens lights up blue.

Device is ready for operation.

- Insert card
Outputs 1+2 switch on
Lens lights up green (60 %)
After 30 seconds the lens is dimming down to 10 % brightness
- Remove card
Output 1 switches off
Lens flashes green for approx. 60 seconds
Lens lights up blue (pilot light)
Output 2 switches off

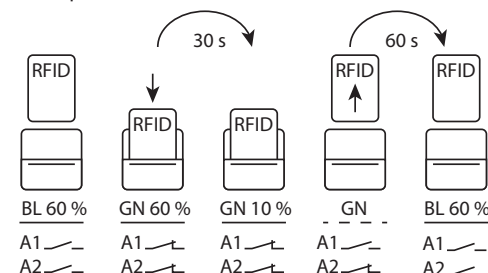


Figure 2: Signalling

Signalling

- Absence: No card in key card holder.
Lens lights up blue 60 %.
- Presence: Card is inserted in key card holder.
Lens lights up green 60 %, after 30 seconds green 10 %.
- Remove card: Lens flashes green, after 60 seconds lights up blue 60 %.

i Lens colour, brightness and time/duration can be customized online before ordering. Subsequent changes are possible with configuration card (ref.no.: CONFIGCARD) which can be ordered separately.

www.jung.de/hotelcard

- Stand-by colour: **blue**, red, green
- Stand-by brightness: 0 ... 100 % (**60 %**)
- Activation signal: 0 ... 240 s (**30 s**)
- Run-on time: 0 ... 240 s (**60 s**)
- Brightness "presence": 0 ... 100 % (**10 %**)

Information for electrically skilled persons

Fitting and electrical connection



DANGER!

Mortal danger of electric shock.

Disconnect device. Cover up live parts.

Connecting and fitting the device

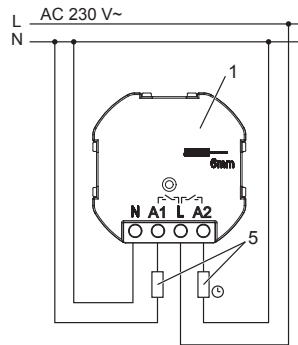


Figure 3: Connection

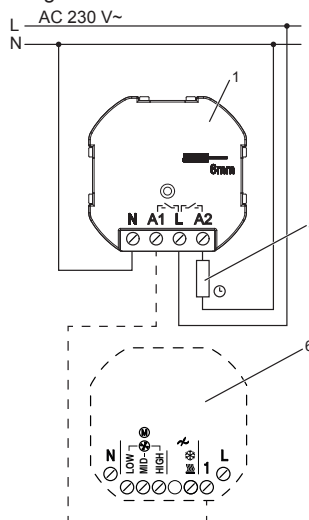


Figure 4: Connection to TRD..230..8..

5. Load
6. Temperature controller e.g. TRD..23028.. or TRD..23048..

- Connect load according to wiring diagram (fig. 3 or 4).
- Install insert (1) in wall box, terminals must be at the bottom.
- Attach the frame (2) and the cover (3).
- Switch on mains voltage

Technical data

ESU230-2 (energy saving unit)

Rated voltage AC110 - 230 V~
Mains frequency 50 / 60 Hz

Switching current AC1 (cos φ > 0.8) 16 A

Current carrying capacity, device (A1+A2) max. 16 A

Switch type 2 make contacts

Contact type μ

Ambient temperature -5 ... +45 °C

Storage/transport temperatur -25 ... +75 °C

Stand-by power max. 0.94 W

Connection max. 1 x 2,5 mm² or 2 x 1,5 mm²

Connected load (AC230V~)

Output 1 (A1)

Ohmic 3000 W

Motors 1160 VA

Lamp loads

HV halogen lamps 1000 W

LV halogen lamps with electronic transformer 1000 W

Output 2 (A2)

Run-on time 0 ... 240 s (**60 s**)

Ohmic 3000 W

Capacitive 16 A / 140 μF

Motors 1380 VA

Lamp loads

HV halogen lamps 2500 W

LV halogen lamps with electronic transformer 1500 W

inductive transformer 1200 VA

HV LED lamps typ. 400 W

Power reduction

per 5°C in excess of 25°C: -10 %

in wooden or dry construction walls: -15 %

in multiple combinations: -20 %

..CARDRFID.. (key card holder RFID)

RFID standard ISO/IEC14443

ISO/IEC15693

Ambient temperature -5 ... +45 °C

Storage/transport temperature -25 ... +75 °C