

Universal impulse switches for central control

ES12Z-200/110-8..230V UC

Central control priorities selectable.

Local universal control voltage 8 to 230V UC.
In addition control inputs 8 to 230V UC central ON and central OFF, from the local input electrically isolated. Supply voltage like the local control voltage.

Bistable relay as relay contact. The switched consumer may not be connected to the mains before the automatic synchronisation after installation has terminated.

Glow lamp current starting at 110V control voltage up to 50mA in positions 1 to 3 and 5 to 7 of the rotary switch.

Contact position indication with LED. This starts blinking after 15 seconds in case of a inhibited push-button, not in position 4+8 of the rotary switch.

ES12Z-200-:

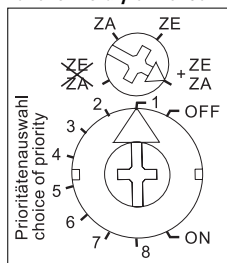
2 NO contacts potential free 16A/250V AC.

Maximum current over both contacts 20A for 230V.

ES12Z-110-:

1 NO contact + 1 NC contact potential free 16A/250V AC.

Function rotary switches



With the upper rotary switch this impulse switch can be partly or completely excluded from central control:

ZE+ZA = central ON and central OFF

ZE = central ON only

ZA = central OFF only

ZE+ZA = no central control

The lower rotary switch sets several priorities. These determine which other control inputs are inhibited as long as another control input is excited permanently.

Furthermore, here it will be decided if the switch position should be kept or not after a power failure: In positions 1 to 4 of the rotary switch the switch position will be kept unchanged, in positions 5 to 8 it will be switched off. If central commands are activated they will be realised hereafter.

OFF = Position for permanent OFF.

ON = Position for permanent ON.

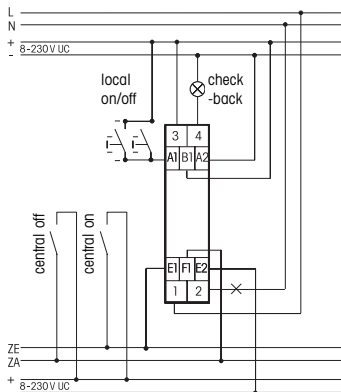
1 and 5 = No priority. Also if central control inputs are excited permanently, operation by local pushbutton can be realised. The last central command will be carried out.

2 and 6 = Priority for central ON and OFF. Local pressing of the pushbutton is ineffective. However, central OFF has priority over central ON.

3 and 7 = Priority for central ON and OFF. Local pressing of the pushbutton is ineffective. However, central ON has priority over central OFF.

4 and 8 = Priority for permanently excited local push button. Central commands will not be carried out. In these positions a glow lamp current is not permitted.

Typical connection



Technical Data

| | |
|---|------------------------------------|
| Control voltage | 8 to 230V UC |
| Rated switching capacity | 16A/250V AC |
| Incandescent lamp load and halogen lamp load 230V ¹⁾ | 2000W |
| Fluorescent lamp load with KVG in lead-lag circuit or non compensated | 1000 VA |
| Fluorescent lamps with KVG shunt-compensated or with EVG | 500 VA |
| Compact fluorescent lamp with EVG and energy saving lamps | 1 on ≤ 70A/ 10 ms ²⁾ |
| Standby loss (activ power) | 0,5W |

¹⁾ For lamps with 200W 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.

Warning!

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