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Eltako ELECTRONICS

Impulse switch with integrated relay function ESR61NP-8..230V UC

CE

1 NO contact not potential free 10A/250V AC. Incandescent lamp load up to 2000W. Off delay impulse switch with switch-off early warning and pushbutton permanent light switchable. Standby loss 0.7 watt only.

For installation.
45mm long, 55mm wide, 18mm deep.

Zero passage switching to protect contacts and lamps. This prolongs in particular the lifetime of energy saving lamps.

State-of-the-art hybrid technology combines advantages of nonwearing electronic control with high capacity of special relays.

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

The switched consumer may not be connected to the mains before the short automatic synchronisation after installation has terminated.

Control voltage 230V. In addition electrically isolated universal control voltage from 8 to 230V UC. Supply voltage and switching voltage 230V.

Very low switching noise. Variable time range up to 120 minutes in the function ESV.

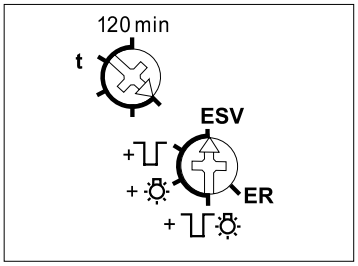
At the control input ⊕ pushbuttons with a glow lamp current up to 50mA can be connected.

In case of a power failure the system is disconnected in a preset sequence.

If the timing period is set to minimum in the function **ESV**, the release delay is switched off. The standard impulse switch function ES is then set.

The function **ER** is selectable. If the function ER is selected a glow lamp current is not permitted. Only the control input A1-A2 should be used. **By using a bistable relay coil power loss and heating is avoided even in the on mode.**

Function rotary switches

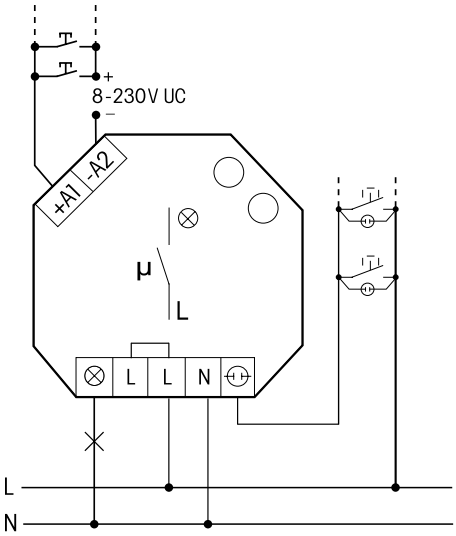


If switch-off early warning function ⎍ is switched on, the light starts flickering approx. 30 seconds before time-out. This is repeated three times at decreasing time intervals.

If the permanent light function ☼ is switched on, the function can be activated by pressing the pushbutton for longer than 1 second. This function switches off automatically after 2 hours or by pressing the pushbutton for longer than 2 seconds.

If both switch-off early warning function and permanent light by pushbutton ⎍ ☼ are set, the switch-off early warning function is activated before switching off the permanent light.

Typical connection



Tecnical data

Control voltages	230V and 8..230V UC
Rated switching capacity	10A/250V AC
Incandescent lamp and halogen lamp load[1] 230V	2000W
Fluorescent lamp load with KVG* in lead-lag or non compensated	1000VA
Fluorescent lamp load with KVG* shunt-compensated or with EVG*	500VA
Compact fluorescent lamp with EVG* and energy saving lamps	15x7W 10x20W
⊕	Control pushbutton 230V with glow lamp current up to 50mA
⊗	Lamp connection
A1-A2	Universal contol voltage 8..230V UC
Standby loss (activ power)	0.7W

[1] For lamps with 150W max.
* EVG = electronic ballast units;
KVG = conventional ballast units

Important Note!

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock.

07/2011 Subject to change without notice.