

# Impulse switch with integrated relay function

## ESR61NP-230V+UC

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.

45 mm long, 55 mm wide, 18 mm 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  $\oplus$  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.

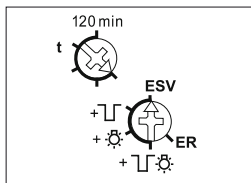
If the timing period is set to minimum in the function **ESV**, the release delay is switched off.

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

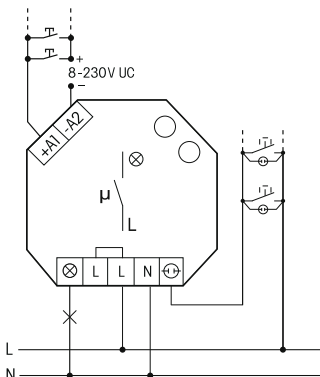


If switch-off early warning function  $\sqcap$  is switched on, the light starts flickering approx. 30 seconds before time-out. This is repeated three times at decreasing time intervals.

If the permanent light function  $\odot$  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  $\sqcap$   $\odot$  are set, the switch-off early warning function is activated before switching off the permanent light.

### Typical connection



### Technical data

Control voltages	230V and 8..230V UC
Rated switching capacity	10A/250V AC
Incandescent lamp and halogen lamp load <sup>1)</sup> 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
$\oplus$	Control pushbutton 230V with glow lamp current up to 50mA
$\otimes$	Lamp connection
A1-A2	Universal control voltage 8..230V UC
Standby loss (activ power)	0.7 W

<sup>1)</sup> 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.