



61 100 001 - 1



## Impulse switch with integrated relay function ESR61NP-230V+UC

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

Temperature at mounting location:  
-20°C up to +50°C.  
Storage temperature: -25°C up to +70°C.  
Relative humidity:  
annual average value <75%.

**1 NO contact not potential free 10 A/250 V AC. Incandescent lamp load up to 2000 W. 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, 45 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.

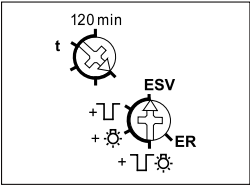
Control voltage 230 V. In addition electrically isolated universal control voltage from 8 to 230 V UC. Supply voltage and switching voltage 230 V.

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 50 mA 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

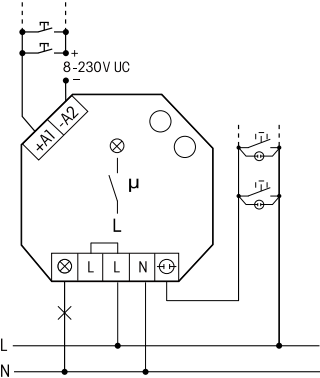


**If switch-off early warning function is switched on, the light starts flickering approx. 30 seconds before time-out. This is repeated three times at decreasing time intervals.**

**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



### Technical data

Control voltages	230 V and 8..230 V UC
Rated switching capacity	10 A/250 V AC
Incandescent lamp and halogen lamp load <sup>1)</sup> 230 V	2000 W
Fluorescent lamp load with KVG* in lead-lag or non compensated	1000 VA
Fluorescent lamp load with KVG* shunt-compensated or with EVG*	500 VA
Compact fluorescent lamp with EVG* and energy saving lamps	15x7 W 10x20 W
Control pushbutton 230 V with glow lamp current up to 50 mA	
Lamp connection	
A1-A2	Universal control voltage 8..230 V UC
Standby loss (activ power)	0.7 W

<sup>1)</sup> For lamps with 150W max.  
\* EVG = electronic ballast units;  
KVG = conventional ballast units.

### Manuals and documents in further languages:



[http://eltako.com/redirect/ESR61NP-230V\\*UC](http://eltako.com/redirect/ESR61NP-230V*UC)



**Must be kept for later use!**

### Eltako GmbH

D-70736 Fellbach

#### Technical Support English:

+49 711 943 500 25

technical-support@eltako.de

eltako.com