



61 100 501 - 1

Impulse switch  
ES61-UC

Eltako

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 potential free 10 A/250 V AC.  
230 V LED lamps up to 200 W,  
incandescent lamp load up to 2000 W.  
No standby loss.

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

Either universal control voltage 12 to 230V  
UC at the control input +A1/-A2 or 230V with  
a glow lamp current up to 5mA at the control  
input  $\oplus$  (L)/-A2(N).

Using two potentials simultaneously at the  
control inputs is not permitted.

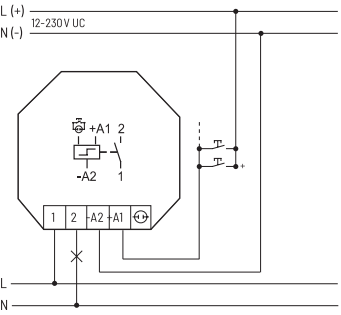
Very low switching noise.

No permanent power supply necessary,  
therefore no standby loss. By using a  
bistable relay coil power loss and heating  
is avoided even in the on mode.

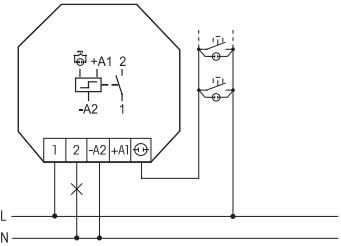
The relay contact can be open or closed when  
putting into operation. It will be synchronised  
at first operation.

If this impulse switch is in a circuit, which  
is monitored by a FR12-230V mains dis-  
connection relay, no additional base load  
is required. However, the monitoring volt-  
age of the FR12-230V must be set to 'max'.

Typical connections



Either universal control voltage  
12 to 230V UC



or 230V with a glow lamp current up to 5mA

Technical Data

Control voltage UC	12..230V
Rated switching capacity	10 A/250 V AC
230V-LED lamps	up to 200W <sup>3)</sup>
Incandescent lamp load and Halogen lamp load1) <sup>1)</sup> 230V	2000 W
Fluorescent lamp load with KVG*	1000 VA
in lead-lag circuit or non compensated	
Fluorescent lamps with KVG*	500 VA
shunt-compensated or with EVG*	
Compact fluorescent lamp	I on ≤ 70A/
EVG* and energy saving lamps ESL	10ms <sup>2)</sup>
Standby loss (activ power)	-

<sup>1)</sup> For lamps with 150 W max.

<sup>2)</sup> For electronic ballast gears a 40fold inrush  
current has to be calculated. For steady loads of  
600W use the current- limiting relay SBR61.

\* EVG = electronic ballast units;  
KVG = conventional ballast units

<sup>3)</sup> Usually applies for dimmable energy saving lamps  
and dimmable 230V LED lamps. Due to differences in  
the lamps electronics, there may be a restriction on  
the maximum number of lamps; especially if the  
connected load is very low (for 5W-LEDs).

Manuals and documents in further  
languages:



<http://eltako.com/redirect/ES61-UC>

1.



App

2.



3.

www.

Must be kept for later use!

We recommend the housing for  
operating instructions GBA14.

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