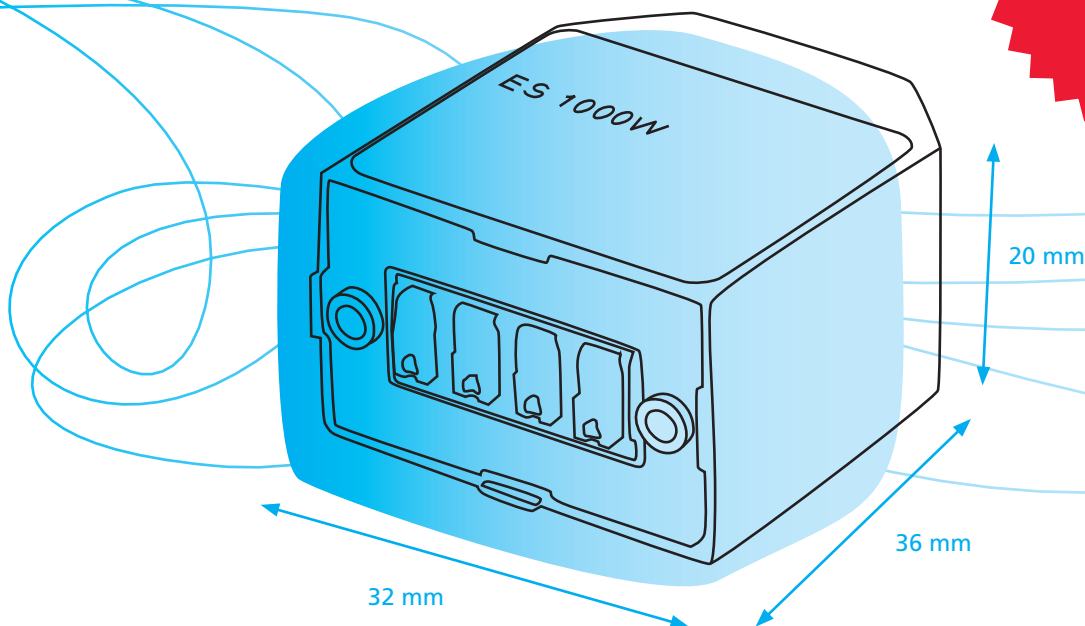


Electronic Series Switch ES1000W

The ES1000W electronic series switch allows separate switching of additional lights, such as: ceiling lights and wall lights using only a single existing 230 V circuit.

*Small and
inconspicuous!
The smart
series switch
for your ideas!*



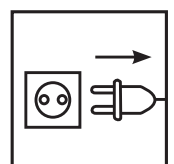
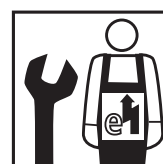
The ES1000W is intended exclusively for lighting purposes. It can be used in all classical switching circuits, such as switch-off, alternating or cross circuits and in impulse relay circuits. The ES1000W extends these circuits to include series switching in a very simple manner. This allows independent control of two lamps, which can otherwise only be implemented at a significantly higher cost by using classical series circuits.

With the ES1000W the existing installation only needs to be extended. Only the added lamp must be newly connected.

The small dimensions allow the ES1000W to be installed (using spring terminal technology) e.g. in junction boxes, baldachines etc. The ES1000W electronic series switch is suitable for energy saving.

Article designation/ article number:

ES1000W / 014001001



Installation instructions

1. Starting situation: Normal off circuit

In the existing off circuit (Figure 1) an additional lamp (lamp B) is to be installed and is to be separately switchable (while retaining the existing off switch and the existing electrical installation). This is very easy with the ES1000W as explained below.

2. Circuit switching extension using the ES1000W

To install the ES1000W, first the connection between the off switch and lamp A shown in Figure 1 is separated.

The ES1000W can then be wired as shown in Figure 2. The use of a 4-way plug terminal is recommended. The lamp that is most frequently used is to be wired to connection LS1, because this is the first to be switched on when the switch is actuated. This is lamp A in the example.

3. Mode of operation

Closing the switch switches on lamp A. Lamp B remains switched off. Actuating the switch again (switch off and then on again within 1-2 sec.) switches off lamp A and switches on lamp B at the same time.

Actuating the switch again (switch off and then on again within 1-2 sec.) switches on both lamps A and B.

Actuating the switch again (switch off and then on again within 1-2 sec.) returns to the first switching state: lamp A on and lamp B off.

If the switch remains switched off for longer than 2 seconds the ES1000W returns to its basic state. Switching on again results in switching state 1 again, as shown in table 1.

Notes:

The currently set switching state can change after a power cut! Make sure that the terminal connections in the circuit are secure!

Possible causes of NON function:

- N-connection not contacting
- Bouncing light switch
- Capacitances between N & L

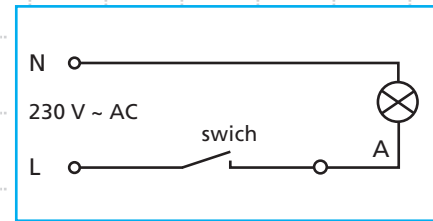


Figure 1

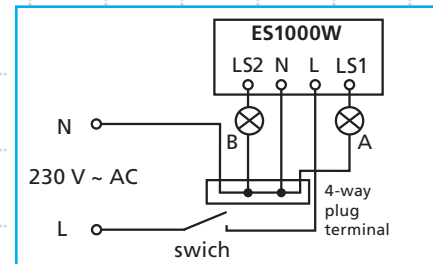


Figure 2

Switching state	Lamp A	Lamp B
1. Normal switch on (state after switch off > 2 sec.)	ON	OFF
2. Short switch off-on (< 2 Sek.)	OFF	ON
3. Short switch off-on (< 2 Sek.)	ON	ON
4. Short switch off-on (< 2 Sek.) (switch state 1)	ON	OFF

Table 1



Picture ES1000W

Technical data

Max. total current	10 A through terminal L (total for both lamps)
Grid connection	220V-240V AC / 50Hz
Weight	22 grams
Housing dimensions	36 x 32 x 20 mm (LxWxH)
Wire cross-section (solid wire)	max. 1,5 mm ²

Protection degree	IP 20
Ambient temperature	Up to +25°C (max. 35°C)
Installation	The ES1000W can be wired into the 10A circuit without an additional fuse.
Operating consumption (only when switched on)	< 0.5 W

