GB

Eltako ELECTRONICS

Impulse switches

CE

ES12DX-UC
ES12-200-8..230V UC
ES12-110-8..230V UC

Incandescent lamp load up to 2000W.
No standby loss.

Modular devices for DIN-EN 50 022 rail mounting. 1 module = 18mm wide, 58mm deep.

Either universal control voltage 8 to 230V UC at the control input +A1/A2 **or** 230V with glow lamp current up to 5mA at the control input ⏚ (L)/-A2(N).
The simultaneous use of two potentials at the control inputs is not permitted.

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.

ES12DX-:
1 NO contact potential free 16A/250V AC.

With the Eltako-Duplex technology the normally potential-free contacts can still switch in zero passage when switching 230V AC 50Hz and therefore drastically reduce wear. Simply connect the neutral conductor to the terminal (N) and L to 1 (L) for this. This gives an additional standby consumption of only 0.1 Watt.

If the contact is used for controlling switching devices which do not perform zero passage switching themselves, (N) should not be connected because the additional closing delay otherwise causes the opposite effect.

Same terminal connection as the electromechanical impulse switch S12-100-.

ES12-200-:
2 NO contacts potential free 16A/250V AC.

Maximum current across both contacts 20A for 230V.

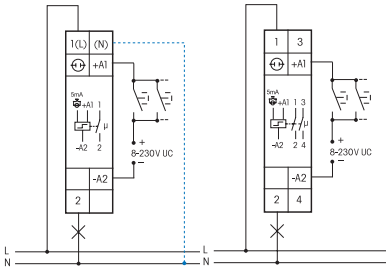
Same terminal connection as the electromechanical impulse switch S12-200-.

ES12-110-:
1 NO contact + 1 NC contact potential free 16A/250V AC.

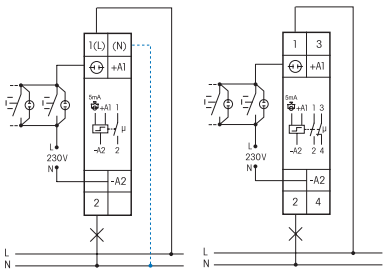
Same terminal connection as the electromechanical impulse switch S12-110-.

Typical connections
ES12DX ES12-200/110

Either universal control voltage 8 to 230V UC



or 230V with glow lamp current up to 5mA



ES12DX: If N is connected, the zero passage switching is active.

Technical Data

Control voltage	8 to 230V UC
Rated switching capacity	16A/250V AC
Incandescent lamp load and halogen lamp load[1] 230V	2000W
Fluorescent lamp load with KVG in lead-lag circuit or non compensated	1000VA
Fluorescent lamps with KVG shunt-compensated or wih EVG	500VA
Compact fluorescent lamps with EVG and energy saving lamps	
ES12DX	15x7W, 10x20W[2]
ES12-200/110	Ion ≤ 70A/10ms[3]
Standby loss	none

1) For lamps with 150W max.
2) If zero passage switching is activated, otherwise same as for ES12-200/110.
3) For electronic ballast gears a 40fold inrush current has to be calculated. For steady loads of 1200W or use the current-limiting relay SBR12.

The strain relief clamps of the terminals must be closed, that means the screws must be tightened for testing the function of the device. The terminals are open ex works.

Warning!

Only a trained electrician may install this equipment, otherwise there is a risk of fire or electric shock.