

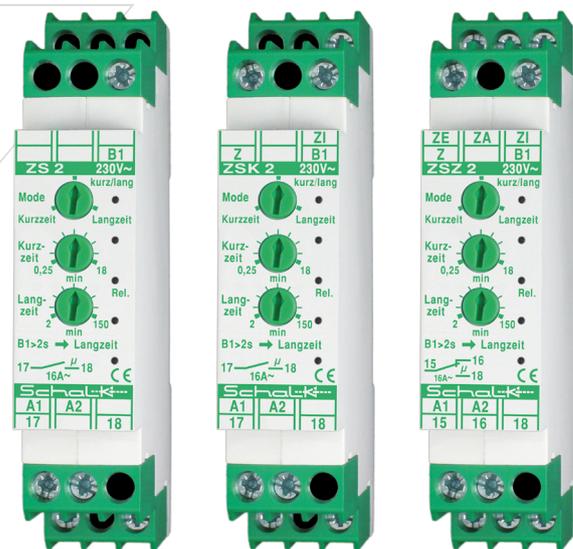


Light timer pulse switch ZS 2 / ZSK 2 / ZSZ 2

Pulse switch (pulse switch) with running time setting and convenient long-term switch-over via light switches for lighting control. External voltage inputs / central control inputs available for ZSK 2, ZSZ 2.

Special features

- ▶ High operating comfort
- ▶ 2 running times separately adjustable
- ▶ Long-term switch-over via light switch
- ▶ 3 operating modes:
 - short term only
 - short- / long-term
 - long-term only
- ▶ Galvanically isolated external voltage inputs from 8-230V UC for ZSK 2 and ZSZ 2
- ▶ Central on/off switching for ZSZ 2
- ▶ Can be switched off at any time via light switch
- ▶ Potential-free 16A switching contact



Light timer switches,
dimmers

General information

The ZS(X) 2 combines a high degree of comfort, flexibility and functionality with simple handling and operation. By pressing the light button for a short or longer time, you can choose between two independently adjustable time ranges. This enables individually configurable short-term / long-term switching within a range of 0.25 to 150 minutes. By pressing the light button again, the consumers are switched off immediately. Two operating modes enable long-term switching to be disabled.

Another special feature of the ZSK 2 is an additional external voltage input which is galvanically isolated from the other inputs and outputs and can be controlled, for example, by a door intercom system without coupling relay.

ZSZ 2 same as ZSK 2, but with additional inputs for central switch-on and switch-off.

Applications

For lighting control in all areas that are only used temporarily (staircase, yard area, garage, storage rooms, basement, bathroom, WC, etc.), both in private and public areas (schools, kindergartens, etc.), general control technology.

Operation

Use the Mode rotary switch to select one of the following 3 operating modes:

Short- / long-term

Switch from short time to long time by pressing B1 for a longer time (approx. 2 seconds)

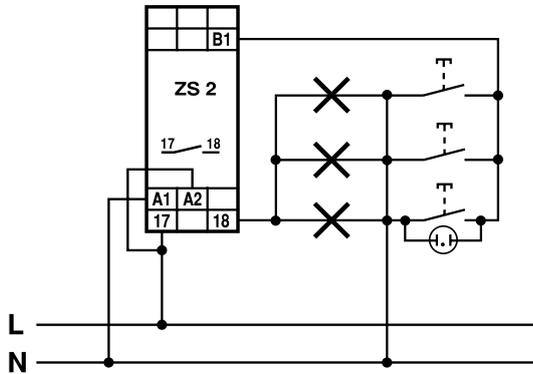
Short-term

Running time adjustable from 0.25 to 18 minutes

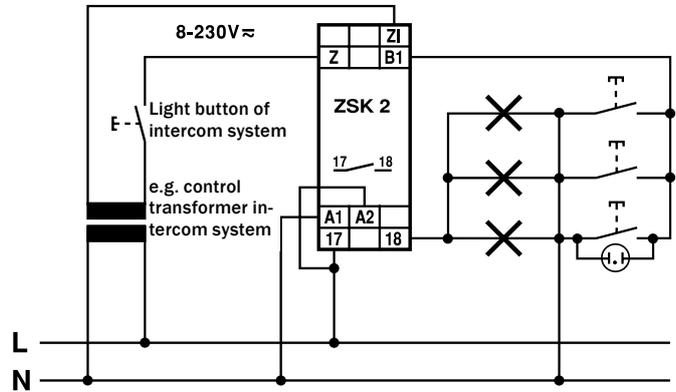
Long-term

Running time adjustable from 2 to 150 minutes

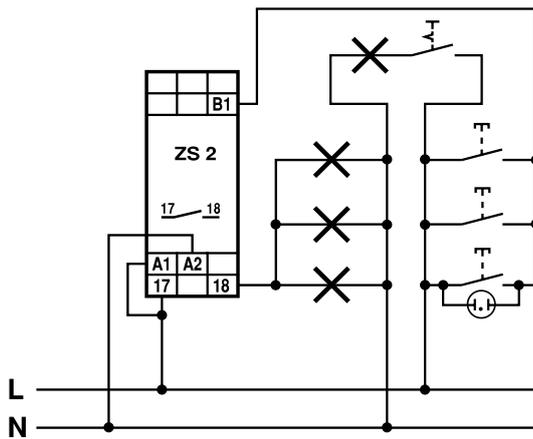
Example connections ZS(X) 2



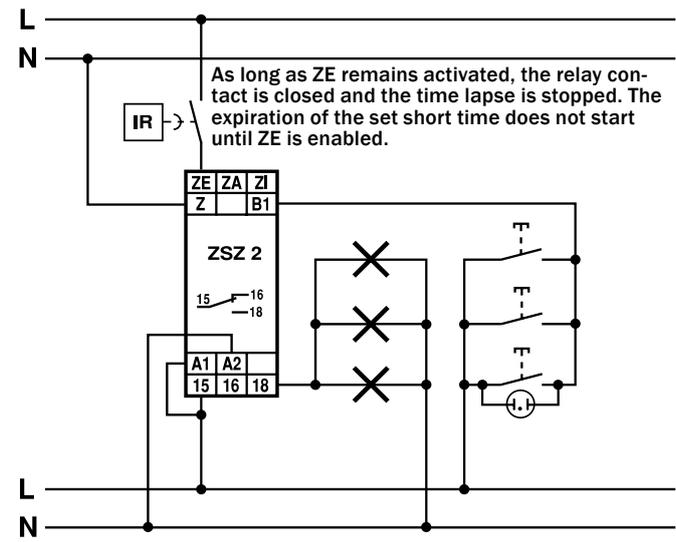
3-wire connection



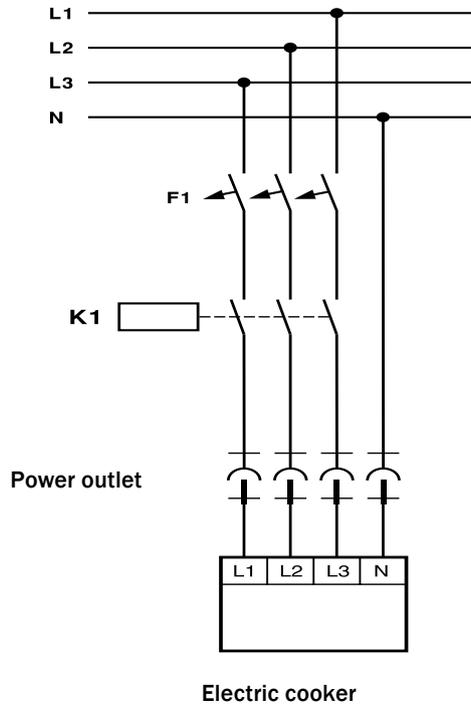
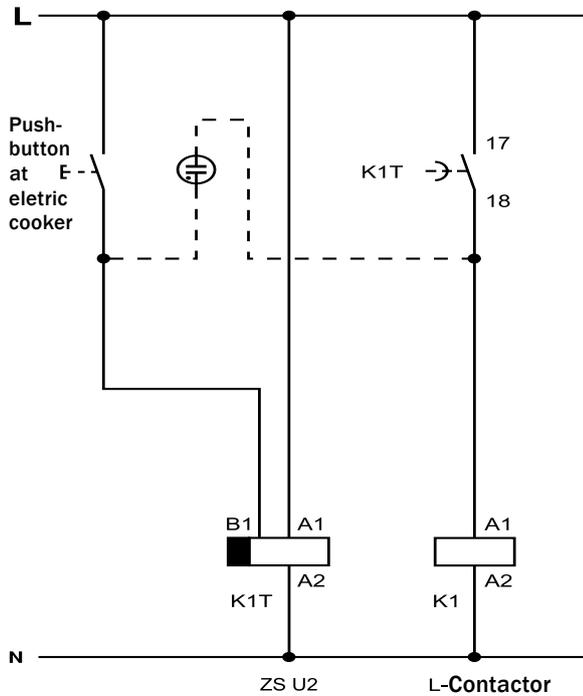
Connection of an intercom system



4-wire connection



Connection of a motion detector



Switching off a three-phase current cable by means of light timer pulse switch ZS 2

For short energy requirements (e.g. 15 minutes), press the button briefly. If the consumer (electric cooker etc.) is used for a longer period of time, the button must be pressed for more than 2 seconds, so that the ZS 2 switches to long-term operation and remains switched on for up to 2.5 hours. It can also be switched off again at any time during long-term operation. The power line is therefore only live when energy is really needed.

Applications:

In apartments for the elderly, outdoor sockets, etc.

Function ZS(x) 2 at B1 and ZI

Button press	Run time
<2s	0.25 - 18 min
>2s	2 - 150 min
2nd time	Off

Technical data

Operating voltage:	230V 50/60Hz 10 %
Power consumption:	approx. 0.6 W
max. glow lamp load	20mA
max. line capacitance	800nF
External voltage inputs ZS(X) 2	8V-230V UC
Relay output	1 NO contact (for ZSZ209: 1 change-over contact) potential-free (6 mm creepage and clearance distance)
max. switching voltage	250V AC
max. continuous current	16A
Contact rating	See data sheet "Relay contact load ratings"
Ambient temperature	-10°C to +45°C
Connection terminals	Socket terminals with captive screws M3.5
Clamping range	0.5 mm ² - 4.0 mm ²
Strip length	6.0 mm - 6.5 mm
Screwing torque	0.80 Nm
Mounting	Click-mount on standard 35-mm rail (EN 60715)
External dimensions	18 x 88 (45) x 58 mm ³
Installation depth	55 mm
Weight	approx. 80g
RAL colour	grey 7035 / green 6029

Order data

Item no.	EAN	Type	Designation
ZS2009	4 046929 201032	ZS 2	Light timer pulse switch for 230V with 3 modes
ZSK209	4 046929 201056	ZSK 2	Light timer pulse switch for 230V with 3 modes and external voltage input ZI
ZSZ209	4 046929 201063	ZSZ 2	Light timer pulse switch for 230V with 3 modes, ZI, ZE, ZA