

# DIN-RAIL PANEL PRODUCTS

## Stairway light time switches



### STAIRWAY LIGHT TIME SWITCHES WITH PRE-WARNING OF SWITCH-OFF

230 V AC 50 / 60 Hz  
 16 A 1 NO (not floating)  
 Time range 1 to 30 minutes  
 Incandescent lamp load 2300 W  
 Glow lamp current 50 mA

1 M

ITEM NO.	WEIGHT g/EACH	PACKING UNIT
TZA2301	76	12

### TZA2301 Stairway light time switches

#### Stand-by loss only 0.5 Watt.

**Contact circuit in zero crossing** to protect the contacts and lamps. This is especially good for increasing the endurance for energy-saving lamps. Very low switching noise. Exact time settings from 1 to 30 minutes with minute scale. Control, supply and switching voltage 230 V. Also with galvanically separated universal control voltage 8...230 V UC. Glow lamp current up to 50 mA, independent of the glow lamp ignition voltage.

**Own continuous light switch** with large rotary switch.

When the pre-warning switch-off is activated, the light flickers approx. 30 seconds before time elapses and 3 times in total in shorter and shorter periods.

**When the continuous light button is activated**, pressing the button for longer than one second can activate the continuous light, which is automatically switched off after 60 minutes or can be switched off by pressing for longer than 2 seconds.

If the continuous light button and the pre-warning of switch-off are activated, then the pre-warning of switch-off only activates after switching off the continuous light.

If energy-saving lamps are switched (ESL) completely or partly, then set the pre-warning of switch-off and the continuous light button on the right ESL side of the rotary switch.

Within 1 second after switch-on or subsequent switch-on, the **time** can be **extended** (pumped) with the TLZ functions by briefly pressing the button three times. Every touch adds one time to the set time.

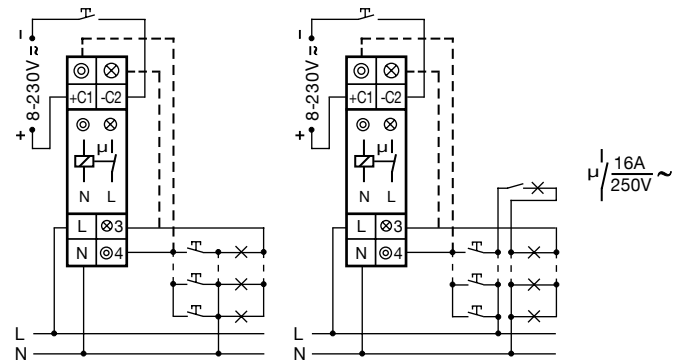
**Multifunctional:** Can switch between the **FS** (impulse relay), **ST** (relay) and **ESV** (impulse relay with release delay) functions. The ESV function, the times (t) settable with the rotary switch above correspond to the following values: 1 = 2 min, 2 = 5 min, 3 = 10 min, 4 = 15 min, 6 = 25 min, 8 = 35 min, 10 = 45 min, 12 = 60 min, 20 = 90 min, 30 = 120 min.

After the set delay time has elapsed, automatic switch-off is carried out if the manual OFF command was not given. Pre-warning of switch-off and the continuous light button can be connected for ESV. Forgotten continuous light is switched off after 2 hours.

### Connection examples

3-conductor circuit with subsequent switching

4-conductor circuit, with attic lighting, with subsequent switching



Automatic mode:

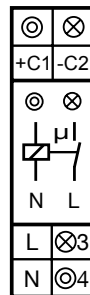


pre-warning switch

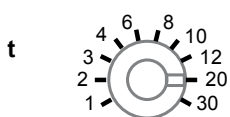


continuous light button

TLZ:  $t_{max} = 30 \text{ min}$   
 ESV:  $t_{max} = 120 \text{ min}$



**With double connections** for button and lamp so that they can be connected above and below or only below.



### Time setting

**TLZ / ESV** t = time 1 to 30 minutes

**ESV** t = time 2 to 120 minutes

### Function selection switch TLZ / ESV and ESL

Pre-warning of switch-off

Continuous light button

Continuous light button + pre-warning of switch-off

Continuous light switch

