

## Staircase time switch



### TLZ12M-230V+8..230V UC

1 NO contact not potential free 16A/250V AC. Incandescent lamps up to 3600W. Switch-off early warning and push-button permanent light switchable.

230V control voltage and additionally 8 to 230V UC electrically isolated universal control voltage. 230V supply voltage and switching voltage.

Precise variable time range from 1 to 12 minutes, settable by minute scale.

Contact position indicator with LED, which starts blinking after 15 minutes in case of an inhibited push-button (not if the function ER is set).

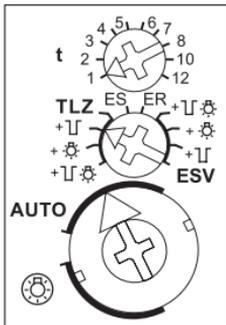
Glow lamp current up to 150 mA at the 230V control input, independent from the ignition voltage.

With input for motion control device BM, which converts the input signal into a control impulse if the function TLZ is set. In this case permanent light push-button not active.

3-wire and 4-wire circuits, resettable, with attic lighting if 4-wire circuit. Automatic detection of the method of connection.

After a power failure the lighting is switched on again in case the set time has not elapsed yet.

#### Function rotary switches



**AUTO** The set function is active (all click-stop positions)

Permanent light switched on (all click-stop positions)

If **switch-off early warning function** is switched on, the light starts flickering approx. 30 seconds before time-out and is repeated three times at decreasing time intervals.

If **permanent light push-button** is switched on, permanent light can be switched on by pressing the push-button longer than 1 second. This is switched off automatically after 60 minutes or by pressing the push-button longer than 2 seconds. This function is not available at the BM input.

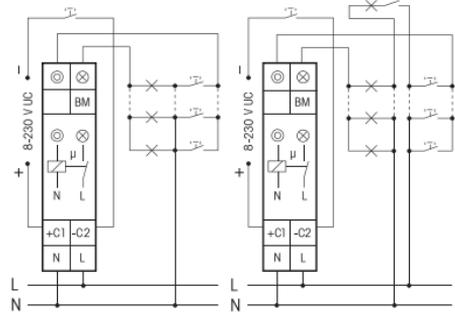
If both switch-off early warning function and permanent light push-button are switched on, the switch-off early warning function is activated before the permanent light switches off.

If the function TLZ is selected the time can be extended within the first second after switching on or resetting by pressing the push-button repeatedly up to five times (**incrementing**). Each momentary-contact control increments the set time once. This function is not active at the BM input.

**With Multifunction.** The following functions can be selected optionally: ES (impulse switch), ER (relay), ESV (impulse switch with release delay). If the function ESV is set the time ranges (t) which can be set with the top rotary switch are as follows: 1 = 2 min, 2 = 5 min, 3 = 10 min, 4 = 15 min, 5 = 25 min, 6 = 35 min, 7 = 45 min, 8 = 60 min, 10 = 90 min, 12 = 120 min.

In this function the impulse switch automatically disconnects after the set delay is timed out, if a manual OFF command has not been given. Switch-off early warning and push-button permanent light can be switched on additionally in this position as well. Forgotten permanent light is switched off after 2 hours.

#### Typical connections



3-wire-circuit, resettable.

4-wire-circuit, with attic lighting, resettable.

	Control push-button 230V
	Permanent light
<b>BM</b>	Motion detector control input
	Lamp connection
<b>C1-C2</b>	Universal control input 8..230V UC
Standby loss (activ power) 0,5 W	



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.

#### Important reminder!

**This electrical equipment may only be installed by skilled electricians otherwise fire hazard or danger of electric shock exists!**