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Eltako ELECTRONICS

Staircase time switch TLZ12-8E-230V+UC

CE

1 NO contact not potential free 16A/250V AC. Incandescent lamps up to 2300W, energy saving lamps ESL up to 200W. Switch-off early warning and push-button permanent light switchable. Standby loss 0.5 watt only. With ESL optimisation and multifunction.

Zero passage switching to protect contacts and lamps. This prolongs in particular the lifetime of energy saving lamps.

State-of-the-art hybrid technology combines advantages of nonwearing electronic control with high switching capacity of special relays.

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

Glow lamp current up to 50mA, dependent on the ignition voltage of the glow lamps.

Precise variable time range from 1 to 30 minutes, settable by minute scale.

Permanent light switch ⊛ with the big rotary switch.

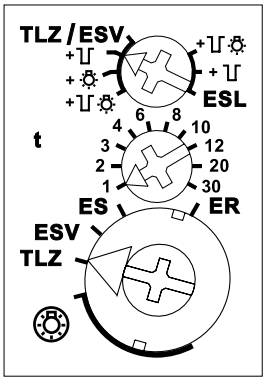
3-wire and 4-wire circuits, resettable, with attic lighting if 4-wire circuit.

Automatic detection of the method of connection.

If the function TLZ is set, the lighting is switched on again after a power failure provided the set time has not yet elapsed.

With double connections for push-button and lamp in order to connect either above or below or only below.

Function rotary switches



⎍ = Switch-off early warning function

☼ = Push-button permanent light

⎍☼ = Switch-off early warning function and push-button permanent light

TLZ/ESV/ES/ER = The set function is active

⊛ = 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 push-button permanent light ☼ is switched on permanent light can be switched on by pressing push-button longer than 1 second. This is switched off automatically after 60 minutes or by pressing push-button longer than 2 seconds.

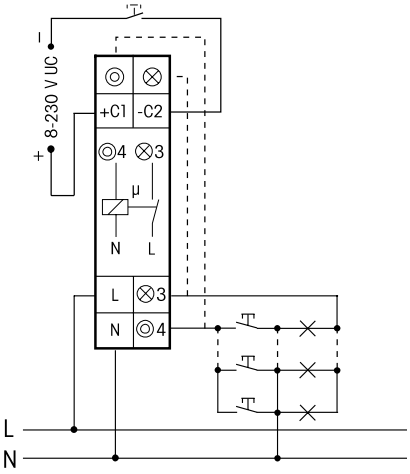
If both switch-off early warning function and permanent light push-button ⎍☼ are switched on, the switch-off early warning function is activated before the permanent light switches off.

When energy saving lamps ESL are completely or partially switched, then set the switch-off early warning and the pushbutton permanent light on the right hand side of the rotary switch.

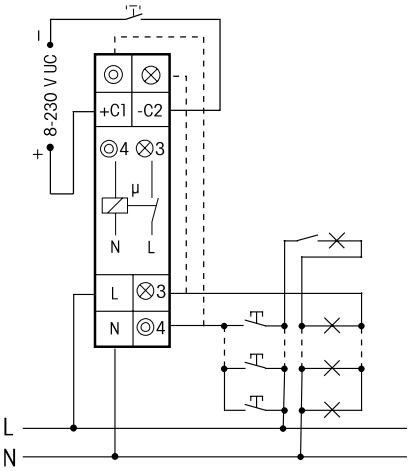
If the function TLZ is selected **the time can be extended** within the first second after switching on or resetting **by pressing the push-button repeatedly up to three times** (incrementing). Each momentary-contact control increments the set time once.

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 middle rotary switch are as follows: 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. 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 with glow lamp current up to 50mA
⊗	Lamp connection
Standby loss (activ power)	0,5W

⚠ 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.

07/2009 Specifications subject to change.