

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



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 50 mA**, 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.

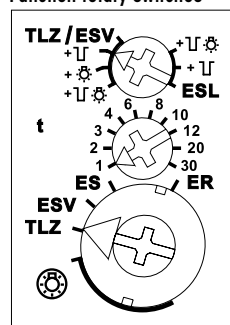
3-wire and 4-wire circuits, resettable, with attic  
lighting if 4-wire circuit.

**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



TL = Switch-off early warning function

⊗ = Push-button permanent light

TL ⊗ = 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** TL 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 TL ⊗ are  
switched on, the switch-off early warning  
function is activated before the permanent light  
switches off.

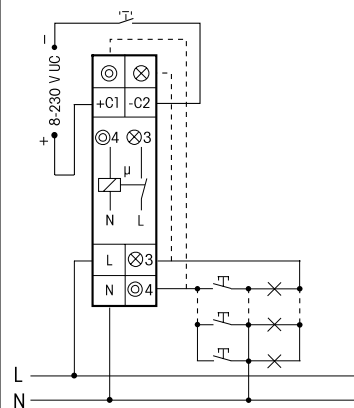
**When energy saving lamps ESL are completely  
or partially switched, then set the switch-off early  
warning and the pushbutton permanent light  
on the right hand side of the rotary switch.**

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.

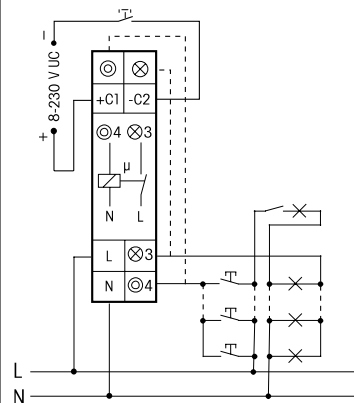
**With Multifunction.** The following functions can  
be selected optionally: **ES** (impulse switch),  
**ER** (relay), **ESV** (impulse switch with release  
delay).

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<br>glow lamp current up to 50mA |
| ⊗                          | Lamp connection                                               |
| 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.

### Warning!

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