

### The new product range

**Incandescent lamps are replaced by energy saving lamps ESL\*. As the first leading manufacturer of staircase time switches, we produce new devices with optimisation for energy saving lamps.**

When these staircase time switches are in ESL setting, the switch-off early warning by flickering function does not reduce the service life of the energy saving lamps. The warning function which prevents sudden darkness fully complies with the stipulations in DIN 18015-2.

In addition, the lighting is immediately switched on again after a power failure if the set time has not yet elapsed, to increase security.

**'The Standard' TLZ12-8E-230V+UC** replaces the TLZ12NP-230V and TLZ12-8E-230V+8..230V UC.

**'The Allrounder' TLZ12D-230V+UC** replaces the TLZ12M-230V+8..230V UC.

**'The Simple' TLZ12-230V** as new device in the range, without switch-off early warning function and without zero passage switching.

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<b>pictograms</b>		TLZ12-8E-230V+UC	TLZ12D-230V+UC	TLZ12-230V	TLZ12-9E-230V	EUD12D-UC if the function TLZ is set	TLZ61NP-230V	TLZ61NP-230V+UC	NLZ12NP-230V+UC	NLZ61NP-230V	NLZ61NP-UC
Modular device for mounting on DIN rail EN 60715 TH35, number of modules 18mm each		1	1	1	1	1			1		
Built-in device for installation (e.g. flush-mounting box)							■	■		■	■
Incandescent lamp load W		2300	2300	2000	2300	400 <sup>3)</sup>	2000	2000	2300	2000	2000
Optimised function for energy saving lamps ESL		■	■				■	■			
Switch-off early warning function switchable <sup>1)</sup>		■	■		■	■ <sup>4)</sup>	■	■			
Variable time range up to		30 min	99 min	12 min	12 min	9 min	12 min	12 min	■	■	■
Low standby loss 		■	■	■	■	■	■	■	■	■	■
230 V control voltage		■	■	■	■		■	■	■	■	
Universal control voltage (additionally) 8 to 230 V UC 		■	■						■		■
Glow lamp current mA 		50	50	50	50	5	50	50			
Double connections push-button and lamp		■									
Single connections below					■						
Automatic detection 3-/4-wire circuit		■	■	■			■	■			
3-wire circuit, without attic lighting					■						
4-wire circuit						■					
Resettable		■	■	■		■	■	■			
Permanent light and switch-off logics with push-button switchable		■	■			■	■	■			
Incrementing <sup>2)</sup>		■	■			■	■	■			
Separate switch for permanent light		■	■	■	■				■		
Additional input for motion control			■								
With multifunction: TLZ, ESV, ES and ER		■	■			■	without ER	without ER			
Zero passage switching 		■	■		■	■	■	■	■		■

\* ESL = abbr. for energy saving lamps

<sup>1)</sup> As stipulated in DIN 18015-2 under 4.3.3 the following should be taken into account: For lighting systems in stairwells of multiple dwellings it is recommended to use staircase time switches with switch-off early warning function to prevent sudden darkness. If the 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.

<sup>2)</sup> Time can be extended: Within the first second after switching on or resetting the time can be extended by pressing the push-button repeatedly up to three times (incrementing). Each operation increments the set time once.

<sup>3)</sup> Up to 3400 W with capacity enhancer LUD12-230V.

<sup>4)</sup> Switch off early warning function through dimming.