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E 232 STAIRCASE LIGHTING TIME-DELAY SWITCHES

# E 232 E-230N

## Installation manual

**E 232 E-230N**  
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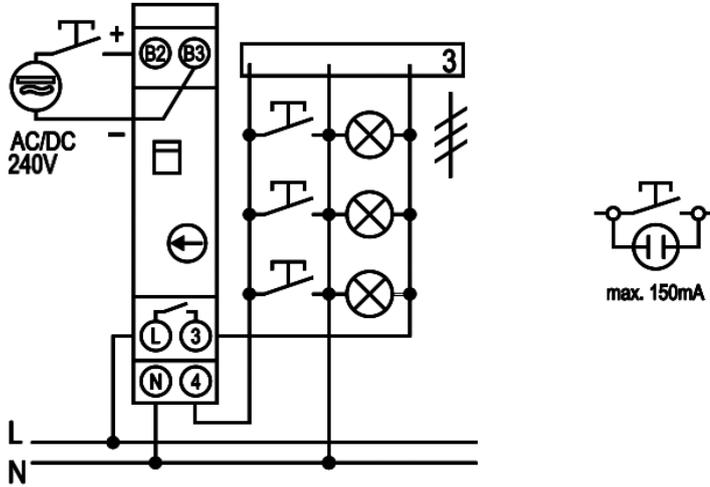
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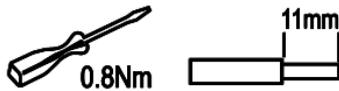


Warning! Installation by person with electrotechnical expertise only.

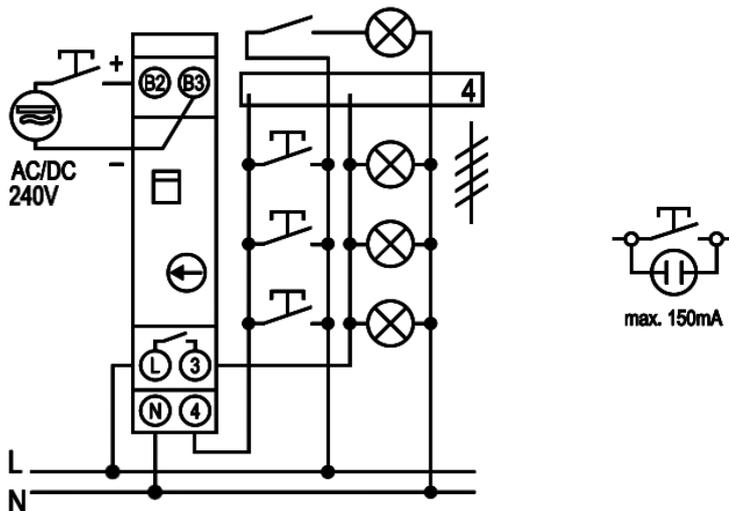
## 1. Connection diagram: 3 conductors



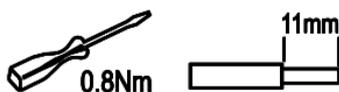
Tightening torque and stripping length



## 2. Connection diagram: 4 conductors



Tightening torque and stripping length



### 3. Technical data

Technical features	
E 232E-230N	
Time range (stepless)	0.5 – 20 min. stepless
Control voltage 230 V AC	■
Universal voltage in addition	
Glow lamp load	150 mA
3/4 conductor operated	automatically
Resettable	■
Steady-light switch	■
Advance warning acc. DIN 18015-2	
Long-time range of 60 min.	
Multi-functional (10 functions)	
Rated voltage	240 V AC
Rated Frequency	50 / 60 Hz
Control voltage range	0.85 ... 1.1 Un
Power loss	6 VA
Rated switching capacity	16 A, 230 V AC
Filament lamps	2,300 W
Halogen lamps	2,300 W
Fluorescent lamps series compensated / uncorrected	2,300 VA
Fluorescent lamps inductive or capacitive	2,300 VA
Fluorescent lamps shunt compensated	400 VA (42 µF)
Electronic controlgear	9x7 W, 7x11 W, 7x20 W, 7x23 W
Inductive load (cos φ = 0.6/230 V AC)	2,300
Contact material	AgSnO2
Contact gap	< 3 mm
Mech. serviceable life	> 10 <sup>7</sup>
Serviceable life at rated load, cos φ = 1	> 2x10 <sup>5</sup>
Serviceable life at rated load, cos φ = 0.6	> 4x10 <sup>4</sup>
Max. terminal cross-section	13 mm <sup>2</sup>
Max. conductor cross-section	4 mm <sup>2</sup>
ON duration	100 %
Ambient temperature	- 25 °C to + 50 °C
Housing and insulation material	heat resistant, self-extinguishing thermoplast
Control current at 230 V AC	26 mA
Minimum command duration	20 ms