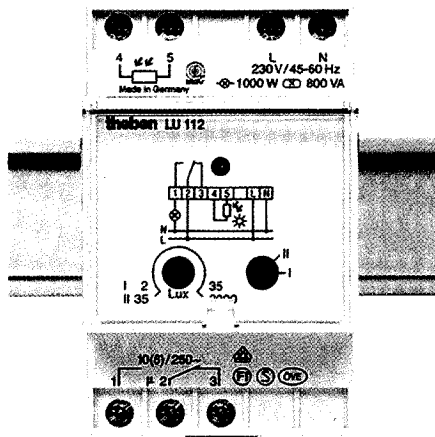
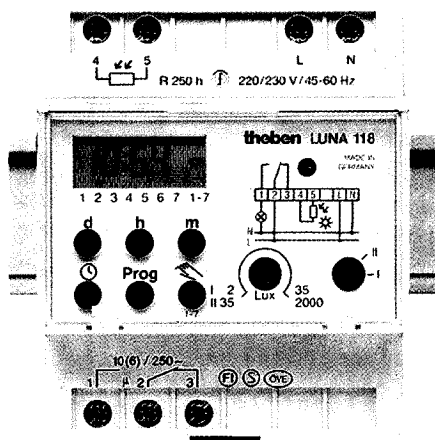


LU 110



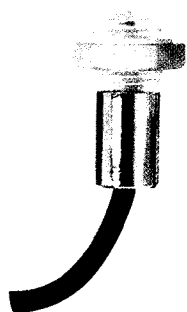
LU 112



LU 118



Surface-mounted  
light sensor



Built-in  
light sensor

## Twilight switch LUNA

For controlling lighting systems for streets, outside staircases, shop windows, entrances etc.

Automatic switch-on and off according to the set lux value via the twilight switch.

### LU 110

- Twilight switch for distribution panel installation with separate surface-mounted or built-in light sensor.
- Switching brightness can be adjusted continuously between approx. 2 – 200 lux with the adjusting screw
- Immediate indication of the switching status by LED
- Approx. 40 sec. switch-ON/switch-OFF delay in order to avoid switching errors owing to lightning flashes or car head-lamps etc.
- Standard housing 45 x 35 x 60 (mm)
- Snap-on fixing for 35 mm top-hat rail (DIN EN 50 022)
- Surface mounting with additional terminal cover, tamper proofing.

### LU 112

- Twilight switch for distribution panel installation with separate light sensor as above, but:
- Control unit with range selector switch for 2 brightness ranges:  
Range 1: approx. 2 – 35 lux  
Range 2: approx. 35 – 2000 lux
- Approx. 80 sec. switch-ON/switch-OFF delay in order to avoid switching errors owing to lightning flashes or car head-lamps etc.
- Light sensor protection class III (safety extra-low voltage in accordance with EN 60335-1).

- Standard housing 45 x 54 x 60 (mm)
- Installation as for LU 110

### LU 118 with DIGITAL TIME SWITCH

- Twilight switch as above (LU 112), but combined with digital time switch TR 611 for switch-off during night-time, outside working hours or at weekends, for example.
- Day and week program can be set accurate to the minute.
- 42 memory locations, holiday program 1 ... 45 days
- Switching mode preselection and permanent ON/OFF switching mode.
- Power reserve approx. 250 hours
- Standard housing 45 x 72 x 60 (mm)
- Installation as for LU 110

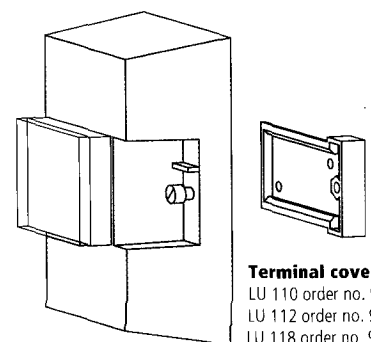
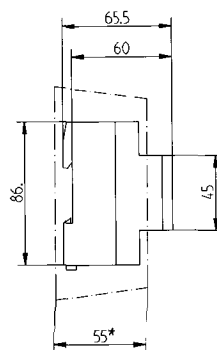
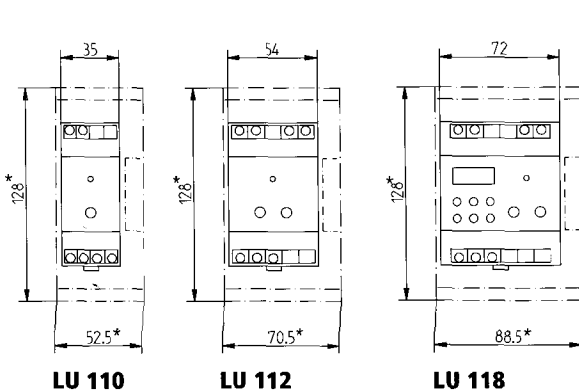
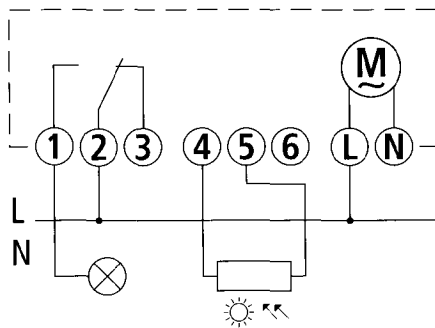
## Technical data:

- Nominal voltage:** 230 V~ ± 10 %
- Special voltages:** see page 79
- Mains frequency:** 45–60 Hz
- Power consumption:** approx. 2.2 VA, LU 118 approx. 3.5 VA
- Contact:** floating, gap less than 3 mm (μ)
- Contact material:** Ag Cd O
- Switching capacity:**  
10 A / 250 V~, cos φ = 1  
6 A / 250 V~, cos φ = 0.6
- Incandescent lamp load:** 1000 W
- Halogen lamps:** 1000 W (230 V~)
- Fluorescent lamps:**  
uncompensated / series compensated 800 W  
parallel compensated 200 W  
lead-lag circuit (duo) 800 W
- High-pressure discharge lamps:** use power contactor
- Brightness range:**  
2 .. 2000 lux, 2 .. 200 lux on LU 110
- Switching delay (ON/OFF):** approx. 80 sec., approx. 40 sec. on LU 110
- Switching status indication:** LED (no delay)
- Connection cable for light sensor:**  
2-core cable max. 100 m
- Permissible ambient temperature:**  
control unit: – 10°C ... + 50°C  
light sensor: – 40°C ... + 70°C
- Protection class:** II in accordance with EN 60335-1 if installed as directed
- Schutzarten:** in accordance with EN 60 529  
control unit: IP 20  
surface-mounted light sensor: IP 54 with cable connection at bottom  
built-in light sensor: IP 65
- Test approvals:** national and international depending on device type

Twilight switches for wall mounting see page 53.

Mounting instructions for LU 118 see page 12.

Brightness range	Adjustment	Sensor	Switching delay ON/OFF	Switching contacts	Nominal current at 250 V~	Type	Order No.
2 to 200 lux	1 brightness range	Surface-mounted light sensor (IP 54) with screw terminals	40 / 40 sec.		10 (6) A	<b>LU 110</b>	110 0 710
2 to 200 lux	1 brightness range	Built-in light sensor (IP 65) with 1.5 m cable	40 / 40 sec.		10 (6) A	<b>LU 110</b>	110 0 700
Terminal cover for surface mounting LU 110, tamper proofing							907 0 064
2 to 2000 lux	2 brightness ranges	Surface-mounted light sensor (IP 54) with screw terminals	80 / 80 sec.		10 (6) A	<b>LU 112</b>	112 0 700
2 to 2000 lux	2 brightness ranges	Built-in light sensor (IP 65) with 1.5 m cable	80 / 80 sec.		10 (6) A	<b>LU 112</b>	112 0 711
Terminal cover for surface mounting LU 112, tamper proofing							907 0 050
2 to 2000 lux	2 brightness ranges, day and week time program	Surface-mounted light sensor (IP 54) with screw terminals	80 / 80 sec.		10 (6) A	<b>LU 118</b>	118 0 700
2 to 2000 lux	2 brightness ranges, day and week time program	Built-in light sensor (IP 65) with 1.5 m cable	80 / 80 sec.		10 (6) A	<b>LU 118</b>	118 0 711
Terminal cover for surface mounting LU 118, tamper proofing							907 0 049
Built-in light sensor with mounting bracket for wall mounting, connection cable 1.5 m, enclosure type IP 65 (spare part)							907 0 011
Surface-mounted light sensor with screw terminals (spare part)							907 0 008



**Terminal cover for**  
LU 110 order no. 907 0 064  
LU 112 order no. 907 0 050  
LU 118 order no. 907 0 049

\* with terminal cover