

## Features

- Is used to control lights on the basis of ambient light intensity.
- Used for switching street illumination and garden lights, illumination of advertisements, shop windows, etc.
- Level of ambient intensity is monitored by an external sensor SKS-100 and output is switched according to set level on the device.
- Control input for additional control, e.g. time switch, preswitch etc.
- Level of illumination adjustable in two ranges:  
1 - 100 lx and 100 - 50000 lx.  
Adjustable time delay to eliminate short term fluctuation in illumination.  
External sensor IP65 suitable for mounting on the wall (cover and holder of a sensor are a part of the package).

## RS PRO Time Switch

800968



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product description

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## Supply and measuring

|                                         |                                |
|-----------------------------------------|--------------------------------|
| Supply terminals:                       | A1-A2                          |
| Voltage range:                          | AC/DC 12 - 240 V (AC 50-60 Hz) |
| Power input max.:                       | AC 1.5 VA/0.9 W                |
| Max. dissipated power (Un + terminals): | 4 W                            |
| Supply voltage tolerance:               | -15 %; +10 %                   |
| Supply indication:                      | green led                      |
| Time delay:                             | 0 - 2 MIN                      |
| Time delay setting:                     | potentiometer                  |
| Illumination range LUX1:                | 1 - 100 Lx                     |
| Illumination range LUX2:                | 100 - 50 000 Lx                |

## Output

|                     |                                     |
|---------------------|-------------------------------------|
| Number of contacts: | 1x changeover (AgSnO <sup>2</sup> ) |
| Current rating:     | 16 A/AC1; PD. B300                  |
| Breaking capacity:  | 4000 VA/AC1, 384 W/DC               |

|                        |                  |
|------------------------|------------------|
| Inrush current:        | 30 A/< 3 s       |
| Switching voltage:     | 250 V AC/24 V DC |
| Output indication:     | red LED          |
| Mechanical life:       | 10.000.000 ops.  |
| Electrical life (AC1): | 100.000 ops.     |

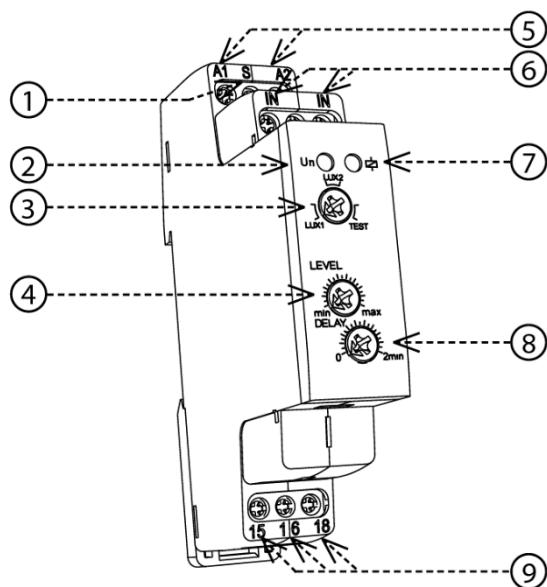
## Control

|                          |                           |
|--------------------------|---------------------------|
| Power the control input: | 0.3 W                     |
| Load between S-A2:       | yes                       |
| Control. terminals:      | A1 - S                    |
| Impulse length:          | min. 25 ms/max. unlimited |
| Reset time:              | 150 ms                    |

## Other information

|                                     |                                                                       |
|-------------------------------------|-----------------------------------------------------------------------|
| Operating temperature:              | -20 .. +55 °C (-4 .. 131 °F)                                          |
| Storage temperature:                | -30 .. +70 °C (-22 .. 158 °F)                                         |
| Dielectric strength:                | 4 kV (supply - output)                                                |
| Operating position:                 | any                                                                   |
| Mounting:                           | Din rail EN 60715                                                     |
| Protection degree:                  | IP40 front panel / IP20 terminals                                     |
| Sensor cable length:                | max. 50 m (standard wire)                                             |
| Overvoltage category:               | III.                                                                  |
| Pollution degree:                   | 2                                                                     |
| Max. cable size (mm <sup>2</sup> ): | solid wire max. 1x 2.5 or 2x 1.5/<br>with sleeve max. 1x 2.5 (AWG 12) |
| Dimensions:                         | 90 x 17.6 x 64 mm (3.5 x 0.7 x 2.5 inch)                              |
| Weight:                             | (UNI): 66 g (2.3 oz.)                                                 |
| Dimensions of sensor SKS -100:      | 58 x Ø 24 mm (2.3" x Ø 0.9")                                          |
| Weight of sensor SKS-100:           | 20 g (0.5 oz.)                                                        |
| Standards:                          | EN 60669-1, EN 60669-2-1                                              |

## Description



1. Terminal of blocking input
2. Supply indication
3. Setting the light level ranges / TEST
4. Function
5. Fine setting of level of illumination
6. Supply voltage terminals
7. Terminals for sensor
8. Output indication
9. Setting the relay output contact delay
10. Output contact

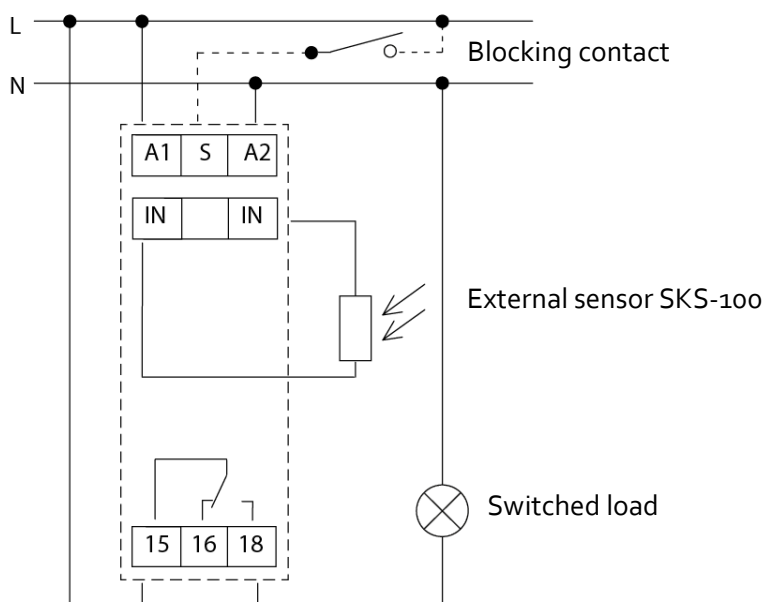
LUX1: Range 1 - 100 Lx.

LUX2: Range 100 - 50 000 Lx.

TEST: By switching to position TEST all function are switched off and switching contacts of output relay are switched on.

The function TEST is used for testing of right connection of load and for verification of failure (breaking of the bulb).

## Connection



Correct connection of the device to the electrical mains must be ensured, i.e., A1 = phase (L) and A2 = neutral conductor.

## Function

