

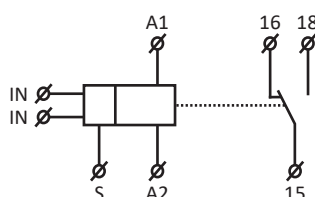
Timetec-LCS

Twilight Switch



The Timetec-LCS controls lighting on the basis of ambient light intensity. It is used for switching street and garden lighting, illumination of advertisements and shop windows, etc. at night. The level of ambient light intensity is monitored by an external sensor and output is switched according to the level set on the relay.

- Control input for additional control options, e.g. by time switch
- Level of illumination adjustable in two ranges (1 - 100Lx and 100 - 50,000Lx)
- Adjustable time delay to eliminate switching due to short term fluctuations in ambient light levels
- External sensor IP65 suitable for wall mounting
- Supply voltage 12Vac/dc - 240Vac/dc
- Output contact 1 x changeover / SPDT 16A
- Red LED output indication
- 1-module, DIN-Rail mounting



Order Code

Timetec-LCS

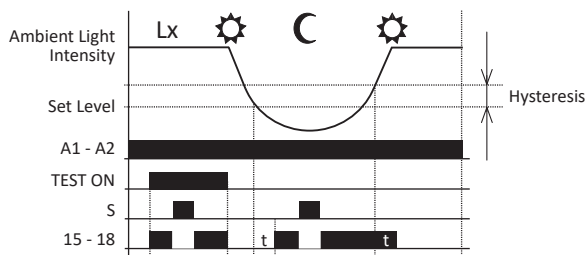
Timetec-LCS Technical Specification

Supply Terminals	A1 - A2
Supply Voltage	12Vac/dc - 240Vac/dc (AC 50 - 60Hz)
Power Input max.	AC 1.5VA / 0.9W
Max. Dissipated Power (Un + Terminals)	4W
Supply Voltage Tolerance	-15%, +10%
Supply Indication	Green LED
Time Delay	0 - 2min
Time Delay Setting	Potentiometer
Illumination Range LUX1	1 - 100 Lx
Illumination Range LUX2	100 - 50,000 Lx
Control Input Power	0.3W
Load between S-A2	Yes
Control Terminals	A1 - S
Impulse Length	Min. 25ms / max. Unlimited
Reset Time	150ms
Changeover Contacts	1 x Changeover (AgSnO ₂)
Rated Current	16A / AC1
Breaking Capacity	4000VA / AC1, 384W / DC
Inrush Current	30A / < 3s

Timetec-LCS Technical Specification

Switching Voltage	250Vac / 24Vdc
Output Indication	Red LED
Mechanical Life	5,000,000 Cycles
Electrical Life (AC1)	35,000 Cycles
Operating Temperature	-20°C to +55°C
Storage Temperature	-30°C to +70°C
Electrical Strength	4kV (Supply - Output)
Operating Position	Any
Mounting	DIN-Rail EN 60715
Protection Degree	IP40 from Front Panel / IP20 Terminals
Sensor Cable Length	Max. 50m (Standard Wire)
Overvoltage Category	III
Pollution Degree	2
Max. Cable Size (mm ²)	Solid Wire max. 1x 2.5 or 2x 1.5 / Stranded Wire with Ferrule max. 1x 2.5 (AWG 12)
Dimensions	90 x 17.6 x 64mm
Weight	66g
Dimensions of Timetec-LCS-Sensor	66 x Ø 23.5mm
Weight of Timetec-LCS-Sensor	20g
Standards	EN 60255-6, EN 61010-1

Timetec-LCS Function



Timetec-LCS-Sensor



The **Timetec-LCS-Sensor** light sensor is external and is connected to terminals IN. The sensor can be installed on a panel (by screwable transparent cover) via an opening with a 20mm diameter. Part of the sensor is a plastic holder to optionally allow mounting to a wall. The length of the cable to the sensor cannot be more than 50m. Two core cable can be used with wire diameter 0.2 mm² - 0.8 mm².

Protection degree is IP65. To keep this protection:

- The cover of the **Timetec-LCS-Sensor** must be sealed by a rubber gland (included with the sensor)
- The cable must be of round cross-section
- The cable entrance gland must be tight to the cable

Order Code

Timetec-LCS-Sensor