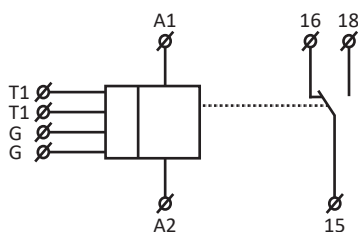# Timetec-LCSD

Twilight Switch with Integrated Time Switch

The Timetec-LCSD is used to control lighting based on the level of ambient light intensity and real time (a combination of twilight switch and time switch). The switch allows blocking of the twilight switch function at times when lighting is undesirable or uneconomical.

- Includes external IP65 light sensor, which can be wall or panel mounted
- Backlit LCD display
- Battery backup of clock time
- External sensor IP65 suitable for wall mounting
- AUTO:PROGRAM, RANDOM, PROGRAM:LIGHT, TIME PROGRAM, HOLIDAY and MANUAL switching modes
- Programming can also be done in backup mode (on battery power)
- In backup mode, the relay output contacts do not switch
- Automatic transition of winter/daylight saving time (by region)

Order Code

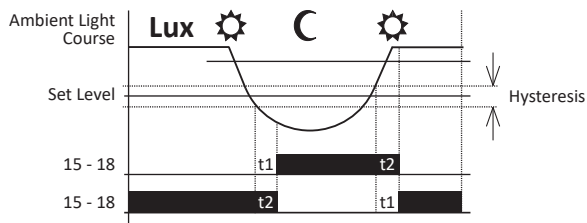**Timetec-LCSD**

Timetec-LCSD Technical Specification

Supply Terminals	A1 - A2
Supply Voltage	230Vac/dc (50 - 60Hz)
Consumption	4VA / 1.7W
Supply Voltage Tolerance	-15%, +10%
Battery Backup Type	CR 2032 (3V)
Accuracy	Max. ± 1s/day at 23°C
Minimum Interval	1 min
Program Data Stored for	Min. 10 Years
Illumination Range	10 - 50,000 Lx
Sensor Failure Indication	Displayed on LCD*
Number of Program Places	100
Program	Daily, Weekly, Yearly
Changeover Contacts	1 x Changeover (AgSnO$_2$)
Rated Current	8A / AC1
Breaking Capacity	2000VA / AC1, 240W / DC

* ERROR = Sensor short circuit

Timetec-LCSD Technical Specification

Switching Voltage	250Vac / 30Vdc
Max. Dissipated Power	0.6W
Mechanical Life	15,000,000 Cycles
Electrical Life (AC1)	50,000 Cycles
Operating Temperature	-10°C to +55°C
Storage Temperature	-30°C to +70°C
Dielectric Strength	4kV (Supply - Output) 3.5kV (Supply - Sensor)
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 (mm²)	Solid Wire max. 1x 2.5 or 2x 1.5 / Stranded Wire with Ferrule max. 1x 1.5
Dimensions	90 x 35 x 64mm
Weight	142g
Dimensions of Timetec-LCSD-Sensor	58 x Ø 24mm
Weight of Timetec-LCSD-Sensor	16g
Standards	EN 61812-1, EN 60669-1, EN 60669-2-1

Timetec-LCSD Function

Timetec-LCSD-Sensor

The **Timetec-LCSD-Sensor** light sensor is external and is connected to terminals T1. 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 - 0.75 mm² / 0.25mm² - 0.34mm² with sleeve.

Protection degree is IP65. To keep this protection:
- The cover of the **Timetec-LCSD-Sensor** must be sealed by a rubber gland (included with the sensor)
- The cable must be of round cross-selection
- The cable entrance gland must be tight to the cable

Order Code

Timetec-LCSD-Sensor