

ELECTRICAL CABINET

ASTROSAT

RADIO-SYNCHRONIZED SOCIO-ASTRONOMICAL CLOCK

ASTROSAT is an astronomical clock that uses satellites for automatic geolocation and time synchronization. It adjusts lighting schedules throughout the seasons, switching public lighting on and off according to sunrise and sunset times. It replaces traditional photocell switches without requiring cabinet renovation.



BENEFITS



ENERGY SAVINGS

- ♦ Up to 1 hour of lighting saved per day
- ♦ Minimizes lighting operating time
- ♦ Enables switching on at the limit of visual perception without compromising public safety



CUSTOMIZED PROGRAMMING

- ♦ No time drift
- ♦ Permanently synchronized via GPS with Lumandar
- ♦ No recalibration required — always on time
- ♦ Automatic setup and configuration within minutes after first start-up



COMPATIBLE WITH EXISTING SOCKETS

- ♦ Replaces all standalone photocell switches on the market
- ♦ Installs on existing sockets without wiring modifications, thanks to the supplied adapter ring



EASY INSTALLATION & ZERO MAINTENANCE

- ♦ Plug & play
- ♦ No adjustments required
- ♦ No on-site travel

FEATURES

VISUAL COMFORT

- ◆ Ensures comfortable lighting activation during winter when light is most needed, without any manual adjustment.

FULLY AUTONOMOUS

- ◆ Standalone twilight switch
- ◆ Operates without contactor
- ◆ Relay can power up to 10 lamps of 150 W

LOW MAINTENANCE

- ◆ Maintenance operations are performed by simply passing the integrated magnet in front of the magnetic switch, activating a forced 90-min operation mode. After this period, the device automatically resumes normal operation.

SYNCHRONIZATION

- ◆ All products switch in perfect synchronization.



COMMERCIAL REFERENCE

> **L-ASTROSAT-A01** : Standalone GPS astronomical clock, delivered complete with mounting bracket and adapter pin.

TECHNICAL DATA

Dimensions Ø × h: 61 × 165 mm

Weight: 250 g

Power supply / max power: 100–240 V ±15% / 50–60 Hz / 16 A

Control device consumption: 0.3 VA

Surge resistance (IEC 61000-4-5): 4 kV

Conducted / radiated emissions (EN 55022):
Class B

Insulation: 2,900 V

Protection rating: IP66

Insulation class (dome connected to base): II

Switching output: μ 16 A / 240 V~ / 2.5 mm² cosφ = 1

Time and date backup: 10 hours minimum

Max altitude: 2,000 m

Operating temperature range: -20°C to +60°C

Storage temperature: -20°C to +70°C

Mounting: with specific supplied bracket

Humidity (RH): 90% at 20°C

Standards compliance: IEC60730-1 2007-03,
IEC60730-2-7 1994-01

