ELECTRICAL CABINET

INFRALUX

INFRARED TWILIGHT SWITCH

Infralux Infralux is a patented twilight switch that measures ambient brightness by detecting infrared rays contained in sunlight. It ensures very precise switching,with low sensitivity to sensor orientation or aging.It is perfectly suited for geographical areas with highly changeable weather.

BENEFITS

SUITABLE FOR AREAS WITH VARIABLE WEATHER

- Switching is directly triggered by the disappearance or reappearance of the sun on the horizon.
- Switching is highly precise and hardly affected by the sensor's orientation or aging.
- Ideal for mountain or seaside installations exposed to rapidly changing weather conditions.

PRECISE AND CONSISTENT LIGHTING CONTROL

- Sensors in an installation, when identically oriented, switch very precisely.
- No drift over time, ensuring excellent uniformity.

EASY INSTALLATION

- Quick setup in the field.
- Automatic programming.

IMMUNE TO STRAY LIGHT

- Not affected by nearby public lighting (discharge lamps) or light reflections on snow, for example.

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FEATURES

AUTOMATIC PROGRAMMING

- Switching on/off according to weather conditions.
- No tools required to configure Infralux.
- A single front-mounted push button allows program selection.

3 PREDEFINED MODES

- Standard Astro
- Socio-Astro Eco
- Socio-Astro Comfort

SIMPLIFIED MAINTENANCE

- 90-minute timed manual override.
- Activated with a simple press on the front button.
- After this period, the device automatically
- resumes its current program.

STRAY LIGHT FILTERING

- Advanced program for filtering out light interference.
- Ignores sudden changes in brightness from light sources emitting in both visible and infrared spectra (car headlights, lightning, etc.).

COMMERCIAL REFERENCE
> L-INFRALUX03 : infrared technology, 2-module (17.5 mm pitch) housing with eyelet-style sensor.

TECHNICAL DATA

Tension de fonctionnement : 230 V AC ± 15 %
Operating voltage : 230 V AC ± 15 %
Relay breaking capacity : 3 A at 250 V AC (resistive load)
Lifetime : 300,000 switchings (AC1, 3 A) / 250,000 switchings (AC15, 0.8 A, cos ϕ 0.45)
Sensor operating temperature : –30 °C to +70 °C
Housing operating temperature : –30 °C to +60 °C
Sensor protection rating : IP67
Housing protection rating : IP20
Maximum humidity : 90 %

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