

Lighting management for a car park of a large tertiary site

IC Astro 2C,
the programmable astronomical
light-sensitive switch

IC Astro 2C



Customer needs

Automate the lighting system of an outdoor car park for a technology park according to the time and the position of the sun, without connecting a light sensor.

For cost saving reasons, after a certain time, only one lamp post out of two will remain lit.

The lighting system shall be programmed to operate only on working days.

Possibility of remote override control of the lighting if necessary for maintenance operations.

Users / customer benefits

- **maintenance-free:** the IC Astro light-sensitive switch offers the same functions as a regular light-sensitive switch except that it does not require a light sensor. Accordingly, maintenance operations of cleaning, adjustment or replacement due to vandalism are unnecessary,
- **energy savings:** the lighting is switched on only during the period of activity of the site when the luminosity makes lighting of the car park necessary. The fact that there is no sensor prevents nonconforming lighting times due to fouling, damage to a sensor or the presence of plants.

Proposed solution

IC Astro 2C, the programmable astronomical light-sensitive switch

Use of the "IC Astro 2C" astronomical light-sensitive switch allows:

- car park lighting according to the position of the sun,
- control of 2 independent lighting circuits,
- programming of lighting days and times,
- the possibility of override control of the lighting via a simple push button.



Tertiary site

Preferred application

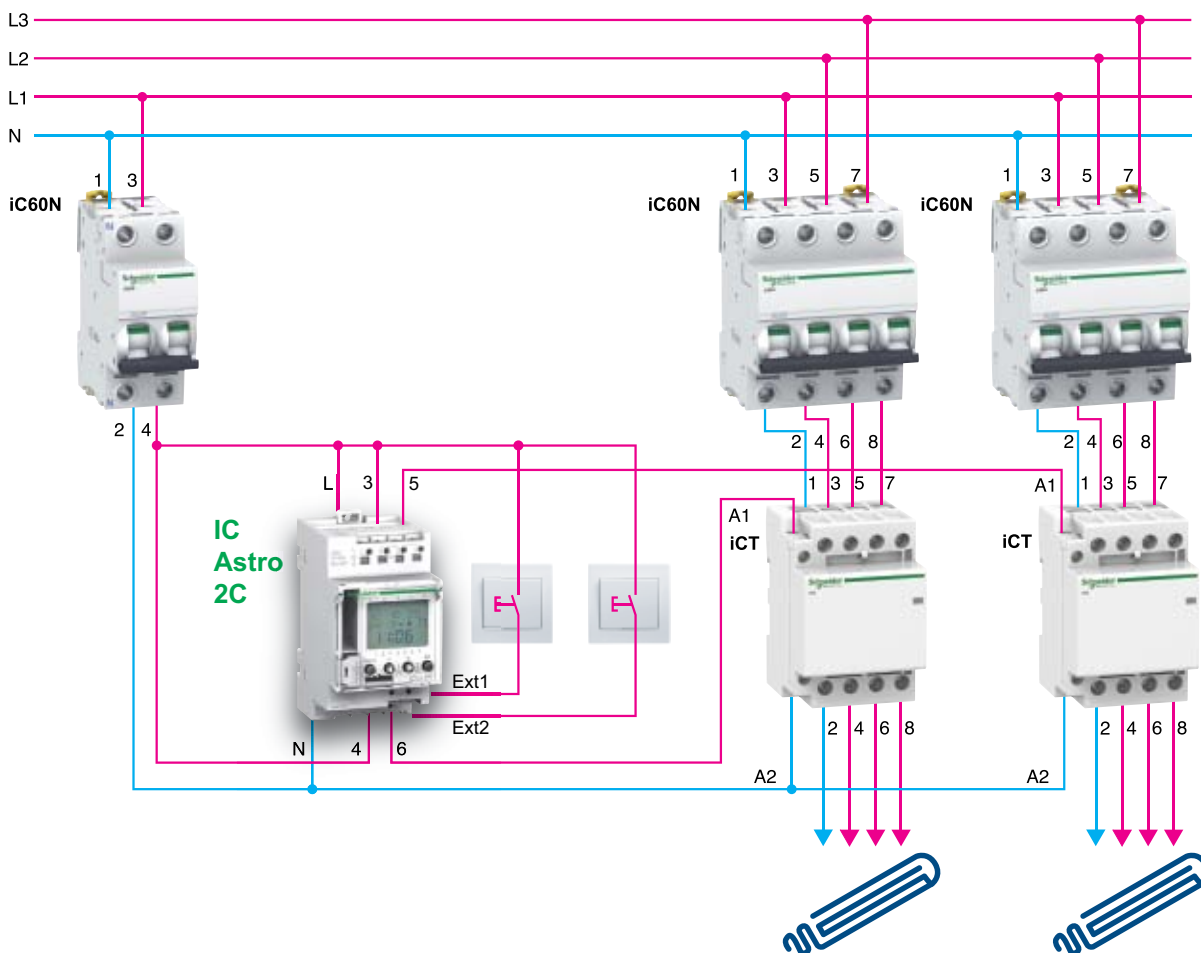
- public lighting,
- outdoor car parks, etc.

Astronomical clock + programming = guarantee of lighting duration

Specifications

The outdoor lighting system is controlled by a time switch which allows for sunrise and sunset times and which requires no light sensor. The lighting system may be inhibited on certain days.

Solution diagram



Products used

Product	Description	Unity	Cat. no.
iC60N	C10 A 1P+N circuit breaker	1	-
IC Astro 2C	Programmable astronomical light-sensitive switch with 2 output contacts	1	CCT15243 ⁽¹⁾ , CCT15244 ⁽²⁾
iC60N	C63 A 3P+N circuit breaker	2	-
iCT	63 A 4P contactor	2	-

(1) English, French, Spanish, Portuguese, Hungarian, Polish, Romanian, Czech, Slovak, Bulgarian, Greek, Slovenian, Serbian, Croatian.

(2) English, French, Italian, German, Swedish, Dutch, Finnish, Danish, Russian, Ukrainian, Latvian, Lithuanian, Estonian, Turkish.