

# Optimize hotel car park lighting in accordance with sunrise and sunset times

“Lighting control: IC Astro 1C - SMART twilight switch”



## Customer case

The hotel manager wishes to optimize car park lighting operation. The comfort and security of hotel guests are paramount. The manager also wishes to control energy costs.

## Our recommendation

Use a one-channel programmable astronomical twilight switch allowing automatic switch-on and switch-off of lighting according to sunrise and sunset times.

## Benefits

- A heightened feeling of security is provided at minimum cost as the lighting is always On when required.
- No need for a brightness detector so greater operating reliability and easier maintenance and installation.
- The liquid crystal display permanently shows hour and minutes, day of the week, current operating mode and current program.
- Manual override of temporary or permanent On and Off status is possible.
- The change to summer/winter time is automatic.

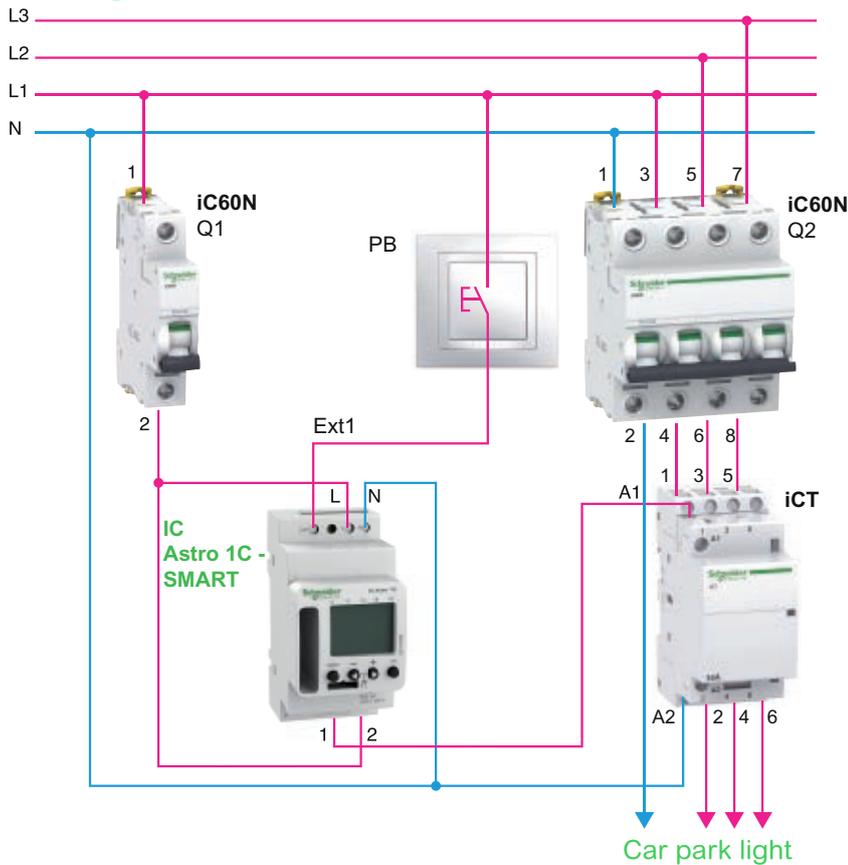
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# Solution

## Diagram



## Specifications

- The programmable twilight switch is configured only according to the place of installation either by selection of a country or town or by its geographical coordinates, latitude and longitude.
- The rating of the contactor and the protection circuit-breaker depends on installed power and load type.

| Products used             |                                                    |          |                  |
|---------------------------|----------------------------------------------------|----------|------------------|
| Product                   | Function                                           | Quantity | Reference        |
| Acti9 IC Astro 1C - SMART | Programmable astronomic twilight switch, 1 channel | 1        | CCT15225         |
| Acti9 iC60N 1P            | MCB Q1                                             | 1        | Depend on rating |
| Acti9 iC60N 4P            | MCB Q2                                             | 1        | Depend on rating |
| Acti9 iCT 3P              | Modular contactor                                  | 1        | Depend on rating |

More about  
IC Astro 1C-SMART



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