



Automate public lighting according to sunrise and sunset with reduced light feature

IC Astro 2C - SMART



“Lighting control:
IC Astro 2C – SMART twilight switch”

Customer case

The mayor of the commune wants to improve the reliability of public lighting operation to increase the comfort of his citizens. But in the meantime he wants to monitor lighting operation time to make energy savings.

He also wants to further reduce the light level by 50 % to save more energy in the off-peak period in the evenings.

Benefits

- 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.

Our recommendation

Use a programmable two-channel astronomical twilight switch for switch-on and switch-off of lighting according to sunrise and sunset times.

Use the two channel outputs to manage the whole public lighting and only an half in peak-out periods.

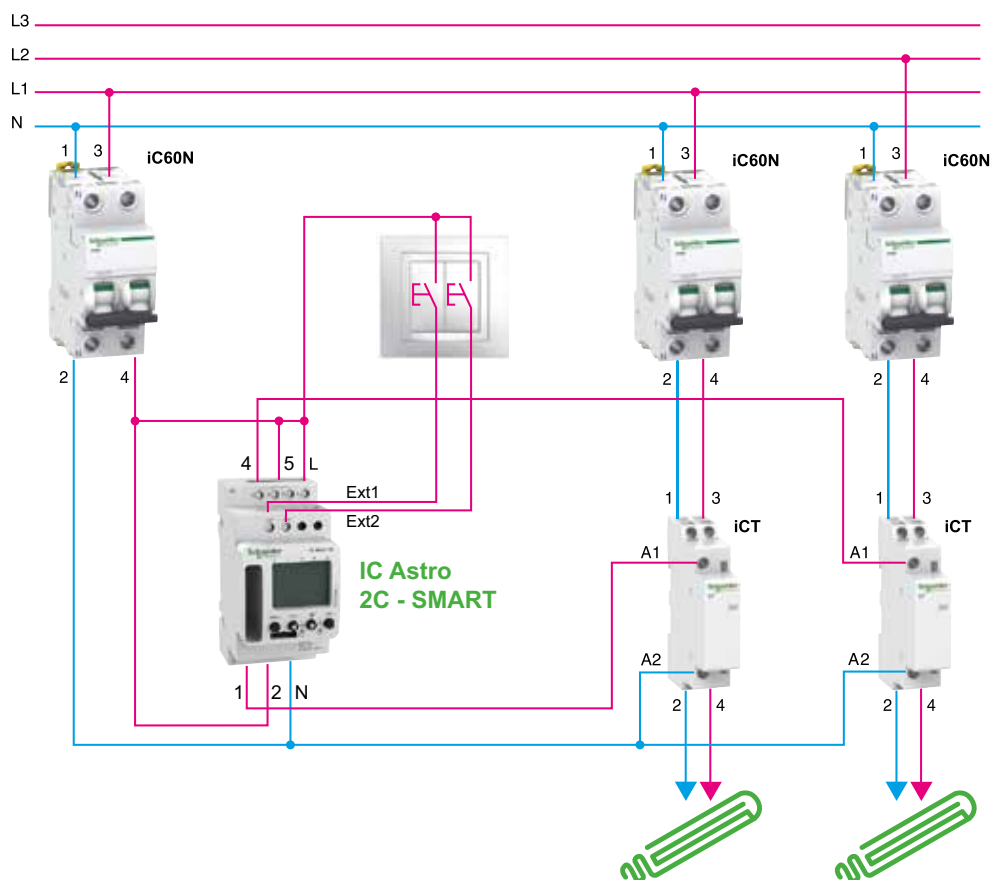
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Solution

Diagram



Specifications

- The programmable astronomical 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.
- Easy and fast programming with software for PC.
- The rating of the contactors and MCB protection circuit-breakers depends on the installed power and load type.

Products used			
Product	Function	Quantity	Reference
Acti9 IC Astro 2C - SMART	Programmable astronomical twilight switch, 2 channels	1	CCT15245
Acti9 iC60N 1P+N	MCB	1	Depend on rating
Acti9 iC60N 1P+N	MCB	2	Depend on rating
Acti9 iCT 2P	Modular contactor	2	Depend on rating

More about IC
Astro 2C - SMART



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