

Optimizing the lighting of open office spaces

Automatic switch-off for optimized consumption and local control for user comfort

Reflex iC60N



Customer case

The facility manager of an office building is aware that on average, over one-third of the total energy consumed in his facility is used for lighting. In this type of building, occupied mainly during the daytime, undeniable energy savings can be achieved by optimizing luminaire lighting times.

This installation can manage extinguishing of the lighting at the desired times, while allowing users to locally control the luminaires outside of the programmed period.

Our recommendation

An Acti9 IHP time switch sends to the Acti9 Reflex iC60 integrated-control circuit breakers orders for extinguishing according to the building's operating requirements.

The Acti9 Reflex integrated-control circuit breakers are configured in mode 1 to allow local restarting of the lighting.

Lighting circuits are switched on and off by office users by means of ambience control push buttons located in each zone.

Benefits

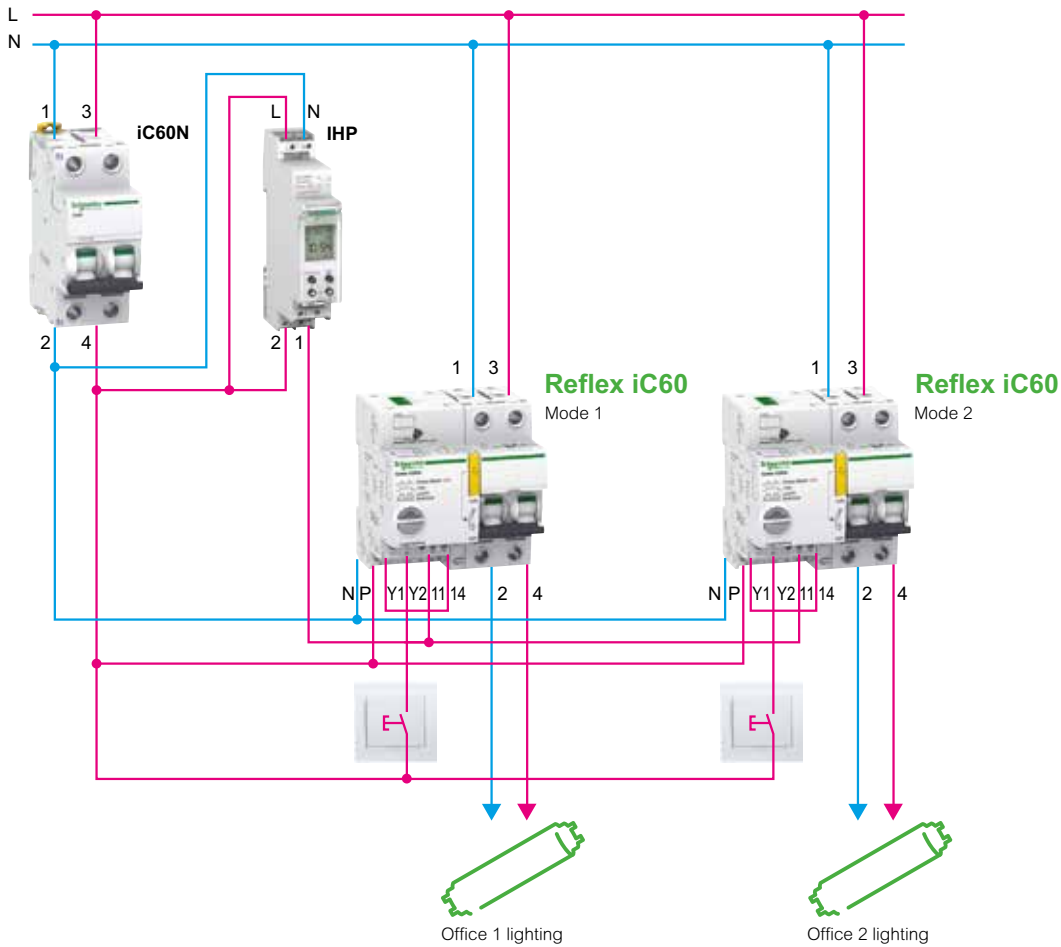
- Energy efficiency: optimization of lighting times allows energy savings of up to 30%.
- Simplicity:
 - automated lighting management solution with local or remote indication of the status,
 - coordination between protection and control device calculated by Schneider Electric.
- Easy maintenance: padlocking possible without any additional accessory.
- Continuity of service: the Acti9 Reflex iC60 is a bistable actuator which does not change state in the event of a power outage.

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Solution Diagram



Specifications

- The lighting loads must be powered via an integrated-control circuit breaker.
- Lighting circuits are switched on and off by the users of the premises by means of ambience control push buttons.
- Centrally controlled extinguishing of lighting circuits must be able to be programmed by means of a time switch.
- It must be possible for the occupants to restart the lighting outside of the programmed lighting times.

Products used

| Product | Function | Quantity | Reference |
|--------------------|---|----------|------------------|
| Acti9 Reflex iC60N | Integrated-control circuit breaker 1P+N | 2 | A9C62216 |
| Acti9 iC60N | MCB 1P | 1 | Depend on rating |
| Acti9 IHP | Weekly programmable time switch | 1 | CCT15854 |

More about
Reflex iC60N



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Schneider Electric Industries SAS
35, rue Joseph Monier - CS 30323
F92506 Rueil-Malmaison Cedex

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