

Manage lighting and comfort in a hotel room based on occupancy

One intelligent system for all kinds of building functions



Customer case

The manager of a future new hotel wants to ensure guest satisfaction, operational efficiency and sustainability performance of lighting and heating in his hotel.

Our recommendation

Centralized and dynamic building management system based on KNX technology controls lighting, heating and energy consumption in the common areas and the guest rooms. The same system offers the possibility for the customers to change the settings in their room according to their wishes.

KNX dimmer actuators, KNX push button movement detection and multitouch pro manage and control lighting in the room as well as staff service requests.

Benefits

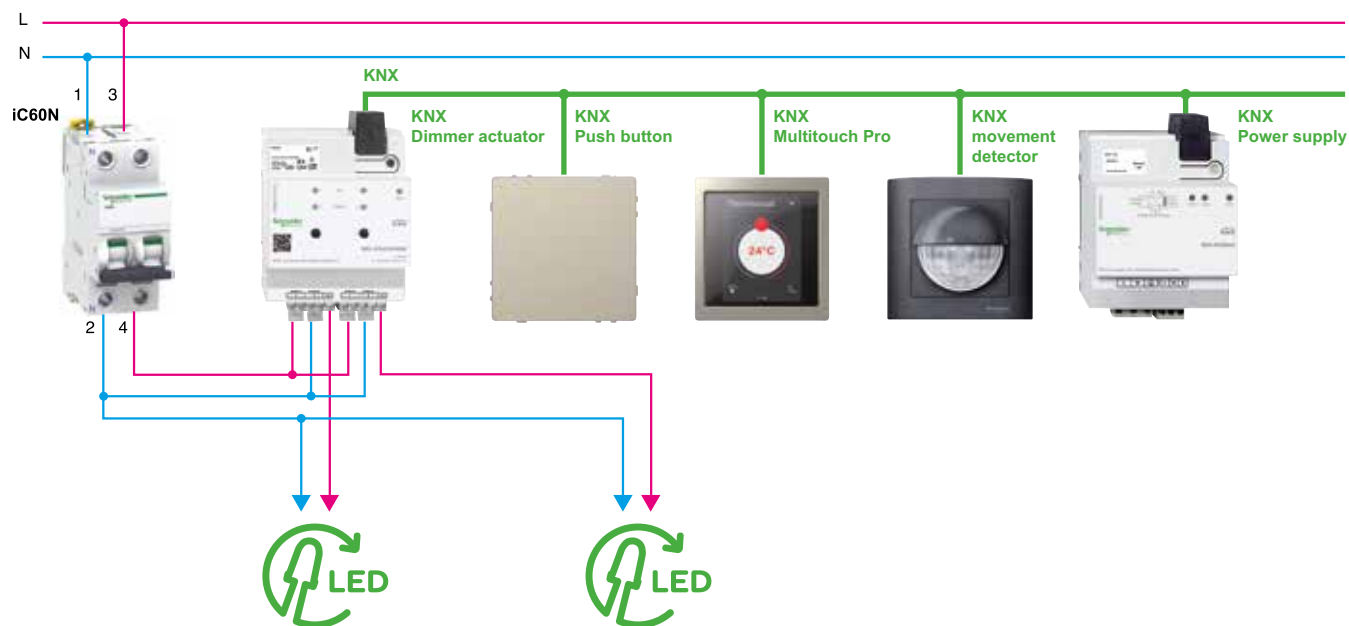
- KNX is an international and future-proof standard.
- Less wiring and increased level of possible functions: products all fit the same standard and can operate together across the same network.
- Flexibility is a particularly strong benefit of a KNX solution. Needs change within a building's environment, so a flexible control solution allows adaptations with minimal disruption.

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Solution Diagram



Specifications

- All components of the solution should communicate through KNX International Standard.
- The dimmer actuator should automatically recognize the connected load.
- On one channel, the combinations of ohmic and inductive, or ohmic and capacitive loads can be done. The combinations of inductive and capacitive loads will not be possible on one channel.

Products used			
Product	Function	Quantity	Reference
Acti9 iC60N 2P	MCB	1	Depend on rating
KNX	Dimming actuator	1	MTN6710-0002
KNX	Power supply	1	MTN683832
KNX	Push-button pro	1	MTN6180-6033
KNX multitouch pro	Room controller	1	MTN6215-5910
KNX	Movement sensor	1	MTN632714

More about KNX
Dimmer actuator



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