Lighting for chained-brand hotels

Single simple architecture for supervision and control solution

Customer case

For his new building, the hotel manager requires to monitor part of its electrical installation and remotely control the lighting of different spaces such as lobby, restaurant, outside terrace, spa and fitness. Moreover, he would like to optimize hotel's energy consumption and limit the electricity bill.

Benefits

Innovative alternative
- Deliver similar monitoring and control features with improved modularity thanks to wireless technology: a single gateway for control, monitoring and metering.

Simplicity
- Plug and play wireless system.
- Reduced commissioning time from configuration to supervision integration.

Energy efficiency
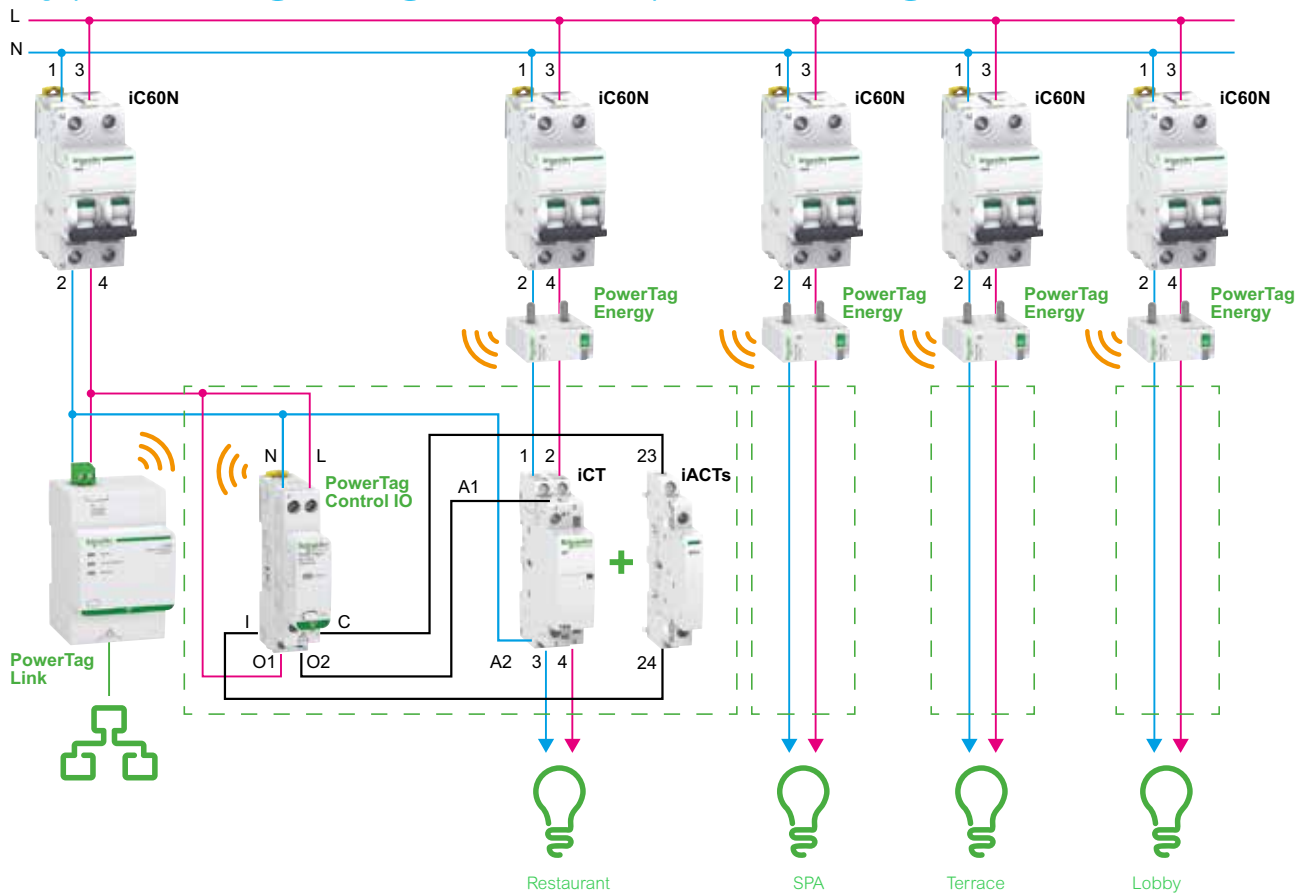- Track and optimize electrical consumption while improving comfort for the occupants.

Our recommendation

The use of Schneider Electric wireless communication technology brings the combination of both metering and control functions in one single architecture for low voltage installation:
- add PowerTag Energy sensors to your protection devices for metering, monitoring without extra footprint,
- add PowerTag Control IO modules to control your various loads such as lighting in the different areas,
- connect all of them to the same gateway.

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Solution

Typical Lighting control panel diagram

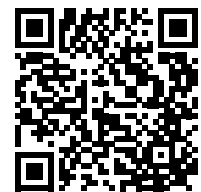|					
Restaurant		SPA	Terrace	Lobby	

Specifications

- Electrical Distribution Boards shall be enabled with devices to control loads and to monitor circuits by collecting status of a contact.
- Control modules shall communicate wirelessly with PowerTag Link Ethernet gateway (no communication cables).
- Control modules shall have one digital ouput 230 V AC dry contact, normally open or normally closed.
- Control modules shall be installed on Din rail with 18 mm width size.
- Following functions shall be included into the panel board for lighting circuits: remotely switch on/off, energy measurement, monitoring.

Typical list of material for the system of one lighting circuit

Product	Function	Quantity	Reference
Acti9 iC60N 2P 2 A	MCB for gateway & PowerTag Control	1	A9F04602
Acti9 iC60N 2P	MCB	1	Depend on rating
Acti9 PowerTag Link	Smart communication module	1	A9XMWD20
PowerTag Control IO	Control and monitoring module	1	A9XMC1D3
PowerTag Energy 63 A	Energy sensor	1	A9MEM1522
Acti9 iCT 2P	Modular contactor	1	Depend on rating
Acti9 iACTs	Remote indication auxiliary	1	A9C15914

More about
PowerTag Link

Scan or click on
QR code

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