



Circuit breaker status for hospital rooms

Get simplicity and effective costs for circuit breaker monitoring



Customer case

The hospital facility manager wants to be notified whenever a fault occurs on the electrical installation. For the hospital room, he wants to know quickly where the fault is located and speed-up the time to repair.

Our recommendation

The use of Schneider Electric wireless communication technology brings the combination of both metering and monitoring functions in one single architecture for low voltage installation:

- add PowerTag Energy sensors to your protection devices for metering, without extra footprint,
- add PowerTag Control 2DI module to monitor various loads such as circuits of patients' rooms,
- connect all of them to the same gateway.

Benefits

Innovative alternative

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

Simplicity

- A single alarm for each application in room (lighting, socket, bed-head), thanks to daisy-chained auxiliary contacts.
- Plug and play wireless system.
- Reduced commissioning time for both metering and monitoring to supervision integration.

Improve power availability & optimize maintenance

- Ensure serenity for the occupants, thanks to a faster detection of electrical fault.

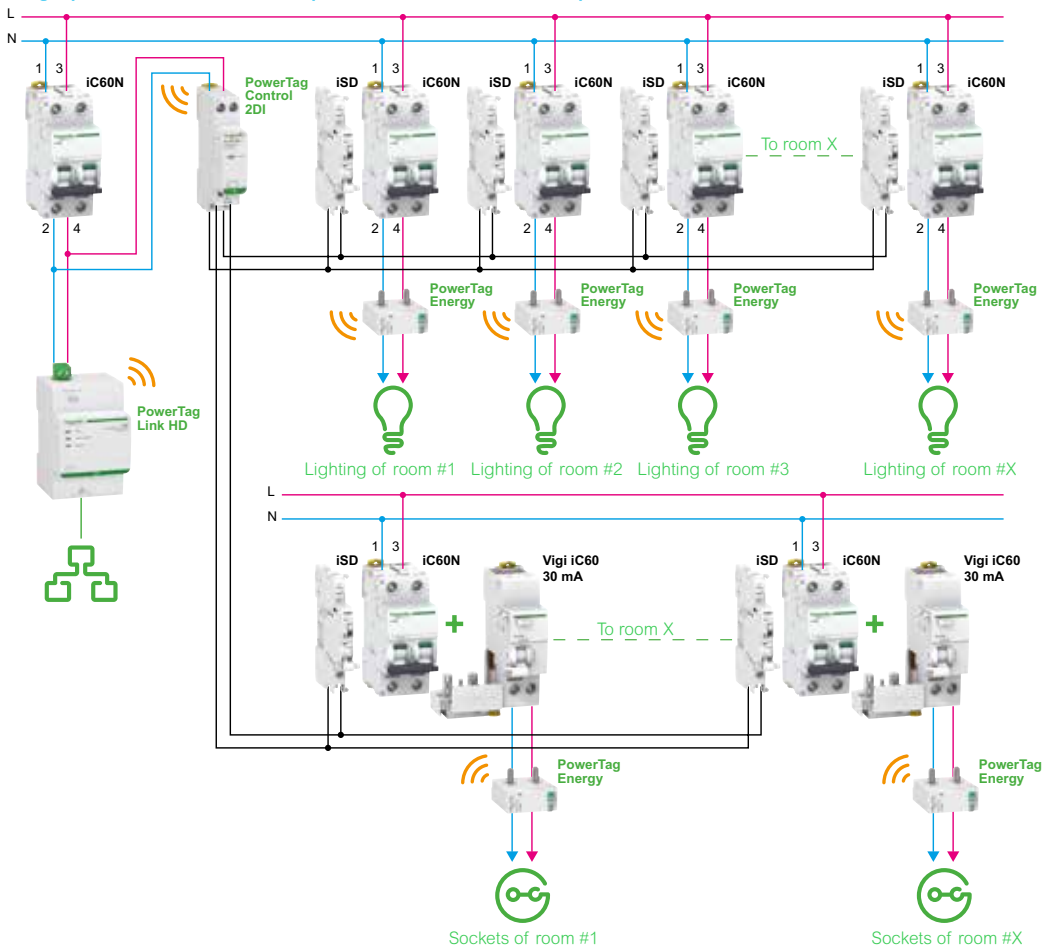
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Solution

Typical hospital floor patients' room electrical



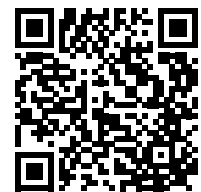
Specifications

- Electrical Distribution Boards shall be able to monitor status of circuit protection devices.
- Monitoring module shall communicate wirelessly with Ethernet gateway (no communication cables).
- Monitoring module shall have 2 inputs 230 V AC dry contact to collect status.
- Monitoring module shall be installed on DIN rail with 18 mm width size.

Typical Bom for the system

Product	Function	Quantity	Reference
Acti9 iC60N 2P 2 A	MCB for gateway & PowerTag C	1	A9F04602
Acti9 PowerTag Link HD	Smart communication module	1	A9XMWD100
PowerTag Control 2DI	Monitoring module	1	A9XMC2D3
Acti9 iC60N 2P	MCB for lighting and socket	# of room x 2	Depend on rating
Acti9 iSD	Auxiliary fault contact	# of room x 2	A9A26927
Vigi iC60 2P 30 mA	Earth leakage protection device	# of room	Depend on rating
PowerTag Energy 63 A	Energy sensor	# of room x 2	A9MEM1522

More about
PowerTag Link



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