

Connect switchboards with your Building Management System for energy monitoring and control

PowerTag NSX - Wireless energy sensor on main incomer

- U, I, V, P, Q, S values,
- active energy, partial and total, delivered and received values, class 1 accuracy,
- reactive energy, partial delivered and received values,
- wireless communication,
- voltage loss alarm,
- power factor.

Acti9 Smartlink SI B - I/O module with wireless communication

- concentrates PowerTag sensors,
- controls contactors and collects breaker status (open, close, trip),
- can collect analog sensors (T°C, CO2, humidity...),
- easy to wire,
- native communication driver in BMS (Ethernet, Modbus).

PowerTag Acti9 - Wireless energy sensors on head of groups

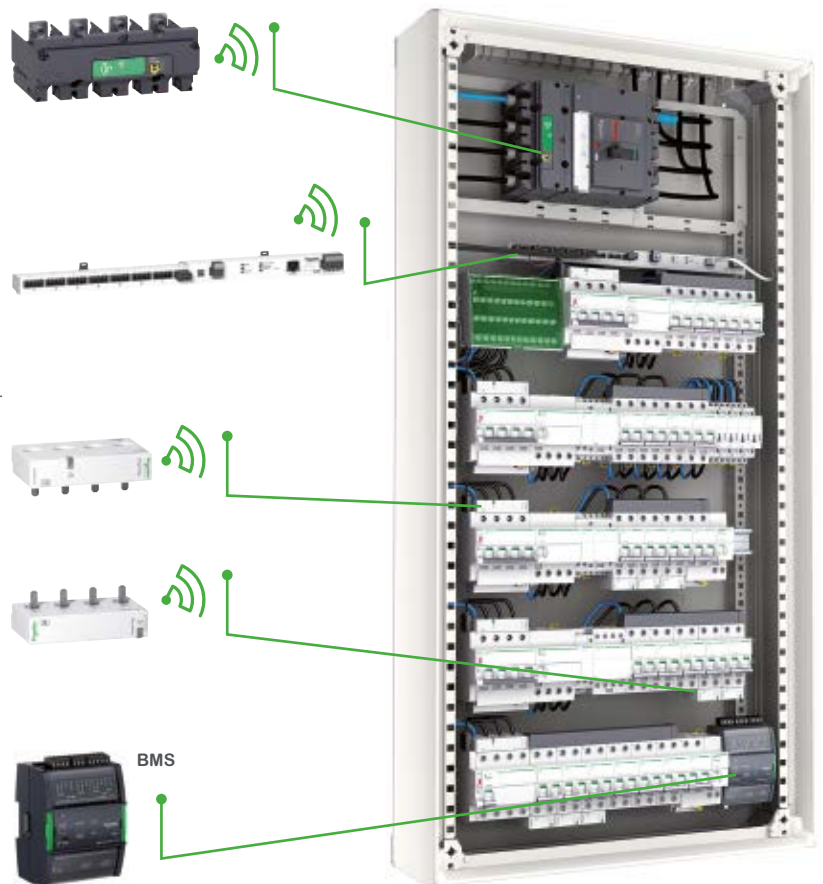
- U, I, V, P values,
- active energy, partial and total values, class 1 accuracy,
- wireless communication,
- Smart Widget for StruxureWare Building Operation.

PowerTag Acti9 - Wireless energy sensors on outgoing

- U, I, V, P values,
- active energy, partial and total values, class 1 accuracy,
- wireless communication,
- voltage loss alarm,
- Smart Widget for StruxureWare Building Operation.

Automation server - Building Management System

- BMS with easy integration of electrical distribution,
- BacNet IP, TP, LON....,
- Modbus RS485, Modbus TCP/IP,
- smart widgets for one-click integration and monitoring of devices (circuit-breakers, power meters...),
- AdaptiApps for customised building application on smartphone, tablets and browsers.



Your need

Compact solution to reliably monitor and control power in a BMS.
Avoid issues with third party system integration.

Our solution

Connect all electrical loads with:

- breaker status and monitoring with Acti9 contactors and OF/SD contacts,
- PowerTag NSX wireless energy sensor for main incomer monitoring,
- PowerTag Acti9 wireless energy sensors for <63 A "head of group" and outgoing monitoring,
- one single Ethernet connection for the entire distribution board with Acti9 Smartlink SI B data concentrator.

Benefits

- easy to install wireless energy sensors,
- class 1 accuracy,
- smallest footprint in the board,
- simplified wiring of control and monitoring auxiliaries,
- friendly user interface,
- easy commissioning,
- Excel report with switchboard variables for easier BMS integration,
- open system compatible with BMS/EMS.

Preferred application

- office buildings,
- hospitals,
- large buildings.

Implement your simple solution in a few steps

More about PowerTag

<http://www.schneider-electric.com/en/work/products/product-launch/poweritag/>



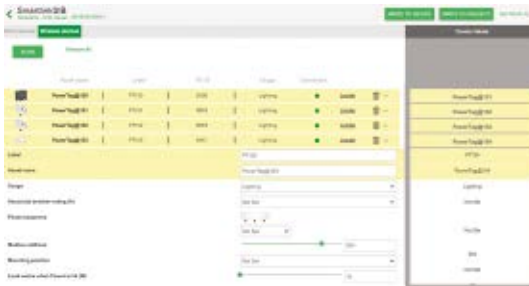
Installation

Head of groups and outgoing meters:

- PowerTag Acti9 sensors can be installed with no space lost on the DIN rail,
- wireless communication with Acti9 Smartlink SI B simplifies the wiring.

Acti9 Smartlink SI B communication system:

- no space taken between 2 DIN rails,
- Ti24 connectors for quick error free connection of auxiliaries.



Commissioning with EcoStruxure Power Commission (*)

EcoStruxure Power Commission is a free software to configure, test and commission your breakers, meters, Acti9 Smartlink and PowerTag in a single interface. You can:

- add all communicating devices in a project,
- scan all PowerTag and associate to an Acti9 Smartlink,
- configure electrical and communication settings,
- execute communication test and generate report,
- generate project report with all the settings.



Operation

- the power of your BMS to improve your energy performance,
- set up your scheduling,
- visualize your alarms,
- force the control of your circuits,
- display energy dashboards.

(*): new name of EcoReach software

Products used

Product	Description	Cat. no.
Automation server	StruxureWare building operation BMS server	Consult us
Acti9 Smartlink SI B	Modular Ethernet I/O module with wireless communication	A9XMZA08
PowerTag Acti9 M63	Energy sensor 63 A - 3P/4P	A9MEM154●
PowerTag Acti9 M63	Energy sensor 63 A - 1P/2P	A9MEM152●
PowerTag NSX	Energy sensor 250 A - 3P/3P+N	LV434020/21
PowerTag NSX	Energy sensor 630 A - 3P/3P+N	LV434022/23