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 outgoers**
- 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.

**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.

**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 outgoers monitoring,
- one single Ethernet connection for the entire distribution board with Acti9 Smartlink SI B data concentrator.
Implements your simple solution in a few steps

Installation

Head of groups and outgoers 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.

Products used

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(*) New name of Ecoreach software

More about PowerTag


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