enocean®

Wireless Room Sensors

No wires, no batteries, no problem

Wireless Room Sensors perform temperature and humidity measurements and broadcast the values using the EnOcean wireless standard.

Self-powered using ambient light energy combined with the largest light energy cell surface, they can perform energy harvesting and provide operation for up to 14 days without light.

No wires and no batteries save time, labour and maintenance.

Features

- Self-powered via ambient light energy (or 24Vac input)
- Large light energy harvesting cell surface
- Energy harvesting provides operation for up to 14 days without light
- Energy harvesting functions down to 200 lux
- Optional backup battery for low light installations.
- EnOcean wireless communication (new generation)
- Configurable wake-up intervals & redundant transmissions
- Built-in temperature sensor with optional humidity sensor
- Remote temperature sensor input
- Setpoint dial with 2 buttons for configurable peripheral applications (STS and SHS models only)

Saves installation time and requires no maintnenance

Interoperable   Self Powered   Sustainable

Applications

- Neptronic EFC EnOcean wireless fan coil controller
- EnOcean compatible building automation systems
- Installations requiring virtually no maintenance and easy installation
- Installations where wiring can be difficult (concrete or other)

System Overview

One wireless room sensor per controller

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902MHz

Neptronic EnOcean wireless fan coil controller or any other EnOcean compatible system

STS29E or SHS29E

Transmits:
- temperature
- humidity (SHS29E only)
- setpoint
- manual override
- battery level

STR29E or SHR29E

Transmits:
- temperature
- humidity (SHR29E only)
- battery level

Models

STS29E & SHS29E

Wireless Room Sensor with User Controls

Model	Temp. Sensor	Humidity Sensor	User Controls	Frequency
STS29E9	•		•	902 MHz
SHS29E9	•	•	•	902 MHz

STR29E & SHR29E

Wireless Room Sensor

Model	Temp. Sensor	Humidity Sensor	User Controls	Frequency
STR29E9	•			902 MHz
SHR29E9	•	•		902 MHz

CSV29

Energy Collector
When a Wireless Room Sensor is installed in areas with little or no natural light, use the Energy Collector model to harvest energy from an area with light and transfer it to the Wireless Room Sensor.