

Saia® communications driver for the EnOcean® wireless network

Controls Division

In building refurbishment projects, rewiring sensors and switches can be a tedious and expensive undertaking. The wireless-based EnOcean® network offers a flexible and cost-effective alternative.

This technology can be easily and efficiently integrated with Saia® automation systems. If one or more decentralized EnOcean® couplers are installed in the building, room control units with wireless connections can be linked to the automation level without problem.

Features

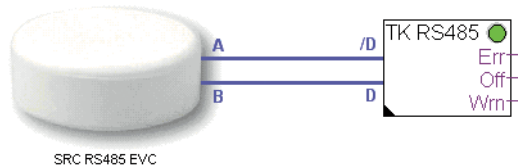
- Communication via RS485 and connection of up to 64 couplers
- Many standard EnOcean® components supported
- Programmable via the Saia® PG5 Controls Suite
- Function block library to match various EnOcean® components
- Intuitive engineering and simple commissioning
- Event-driven communication, no network load from polling

Coupling to the EnOcean® wireless network

The PCD connects to the EnOcean® wireless network via an externally installed coupler and the PCD's own RS485 interface. With the EnOcean® FBox communications library in the Saia® Controls Suite, EnOcean® instructions are received by the network and can be further processed in the PCD program.

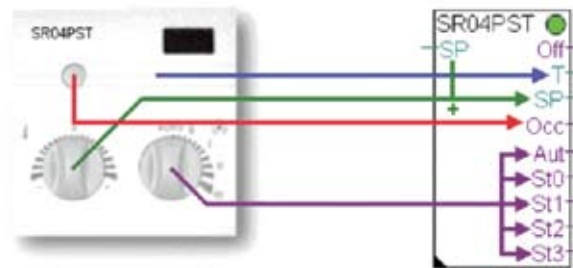
The new FBox library from Saia® makes communication even more comfortable, thanks to its support for bidirectional transceivers. It is now possible not just to receive information, but also execute instructions for switching and adjustment.

Connection diagram of the wireless receiver via RS485



Example of a logical connection between a room control device and the FBox

The function block is used to represent room information directly within the application program.



Software ordering information

Type	Description
PG5 EnOcean	To connect EnOcean® technology to Saia® PCD PCS automation systems

EnOcean® components – recommended manufacturers

Manufacturer	Description
Thermokon	Wireless receiver SRC RS485 EVC
Thermokon	EasySens products
Omnio	Ratio wireless switch
PEHA	Easyclick
Servodan	PIR motion detector with integral light sensor

Other manufacturers on request

Contact

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