EnOcean Equipment Profiles

REVISION HISTORY

Ver.	Editor	Change	Date
2.6.8	NM	Last xml edition of the EEP-Specification	Dec 31, 2017

specification may be used in development of a product or service for sale without being a participant or promoter member of the EnOcean Alliance and/or joint owner of the appropriate joint IPR.

These errata may not have been subjected to an Intellectual Property review, and as such, may contain undeclared Necessary Claims.

EnOcean Alliance Inc.
2400 Camino Ramon, Suite 375
San Ramon, CA 94583
USA
Graham Martin
Chairman & CEO EnOcean Alliance

A5-10: Room Operating Panel

RORG	A5	**4BS Telegram**
FUNC	10	Room Operating Panel
TYPE	22	Temperature, Setpoint, Humidity and Fan Speed

Submitter: Thermokon Sensortechnik GmbH

Data exchange
Direction: unidirectional
Addressing: broadcast
Communication trigger: event- & time-triggered
Communication interval: time-triggered (configurable at the device) & event-triggered
Trigger event: setpoint change, fan speed change
Tx delay: -
Rx timeout: -

Teach-in
Teach-in method: 4BS teach-in 2

Security
Encryption supported: no
Security level format: -

Product Description
The device represented by this EEP is a "Room Operating Panel with Display". It is powered by solar cell.

It is equipped with the following features:
- Temperature Sensor
- Humidity Sensor
- Temperature Setpoint Adjustment
- Fanspeed Adjustment

For pairing the unidirectional "4BS Teach-In Variation 2" method is used.

The device transmits the actual sensor values periodically (Default: 1000s) or on an event like "Temperature Setpoint Adjustment" or "Fanspeed Adjustment".

Temperature Sensor, Humidity Sensor:
The environmental sensors are updated periodically (adjustable, default: 100s) and, if there is a change, the updated values will be send immediately.

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	DB3.7...DB3.0	Relative Setpoint	SP	Setpoint (linear) Min.- ... Max+	0...255	0...255	N/A
8	8	DB2.7...DB2.0	Humidity	HUM	Rel. Humidity (linear)	0...250	0...100	%
16	8	DB1.7...DB1.0	Temperature	TMP	Temperature (linear)	0...250	0...+40	°C
24	3	DB0.7...DB0.5	Fanspeed	FAN	Fanspeed	Enum: 0: Auto 1: Speed 0 / OFF 2: Speed 1 3: Speed 2 4: Speed 3 5 ... 7: Reserved		
27	1	DB0.4	Not Used (= 0)					
28	1	DB0.3	LRN Bit	LRNB	LRN Bit	Enum: 0: Teach-in telegram 1: Data telegram		
29	3	DB0.2...DB0.0	Not Used (= 0)					