

EnOcean Equipment Profiles

REVISION HISTORY

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

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System Specification



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A5-10: Room Operating Panel

RORG	A5	4BS Telegram
FUNC	10	Room Operating Panel
TYPE	23	Temperature, Setpoint, Humidity, Fan Speed and Occupancy

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, change of occupancy-state

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
- Setpoint Adjustment
- Fanspeed Adjustment
- Occupancy-State 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 "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 directly.

System Specification

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	2	DB0.2...DB0.1	Not Used (= 0)					
31	1	DB0.0	Occupancy	OCC	Occupancy	Enum: 0: Unoccupied 1: Occupied		