

## 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

<b>RORG</b>	A5	<b>4BS Telegram</b>
<b>FUNC</b>	10	Room Operating Panel
<b>TYPE</b>	21	Temperature, Humidity and Set Point with Special Heating States

Submitter: MSR-Solutions GmbH, Wangen i.Allg.

Description:  
Set Point for Heating Control, Temperature, Humidity, User Activity.

This EEP defines a Room Operating Panel that contains sensors for temperature and humidity. The set point selector knob determines the desired room temperature with the ability to set special set point modes for heating control. User activity and the sensor's battery state are indicated in the telegram.

### Data exchange

Direction: unidirectional  
Addressing: broadcast  
Communication trigger: event- & time-triggered  
Communication interval: 1200 s  
Trigger event: change of any input signal  
Tx delay: n/a  
Rx timeout: 0 ms (minimum time between two received messages)  
Teach-in method: 4BS teach-in 2 / Universal teach-in  
Security Encryption required: no  
Security level format: -

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	DB3.7...DB3.0	Set Point	SP	Set point (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	1	DB0.7	Not Used (= 0)					
25	2	DB0.6...DB0.5	Set point mode	SPM	Selection of heating mode	Enum: 0: Room temperature defined by SP 1: Frost protection 2: Automatic control (e.g. defined by time program) 3: Reserved		
27	1	DB0.4	Battery state	BATT	Battery change needed	Enum: 0: Battery ok 1: Battery low		
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	User activity	ACT	User intervention action on device	Enum: 0: No user action 1: User interaction		