

## EnOcean Equipment Profiles

### REVISION HISTORY

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

Copyright © EnOcean Alliance Inc. (2019). All rights reserved.

The information within this document is the property of the EnOcean Alliance and its use and disclosure are restricted. Elements of the EnOcean Alliance specifications may also be subject to third party intellectual property rights, including without limitation, patent, copyright or trademark rights (such a third party may or may not be a member of the EnOcean Alliance.)

The EnOcean Alliance is not responsible and shall not be held responsible in any manner for identifying or failing to identify any or all such third party intellectual property rights. This document and the information contained herein are provided on an “as is” basis and the EnOcean Alliance disclaims all warranties express or implied, including but not limited to

- (1) any warranty that the use of the information herein will not infringe any rights of third parties (including any intellectual property rights, patent, copyright or trademark rights, or
- (2) any implied warranties of merchantability, fitness for a particular purpose, title or non-infringement.

In no event will the EnOcean Alliance be liable for any loss of profits, loss of business, loss of use of data, interruption of business, or for any other direct, indirect, special or exemplary, incidental, punitive or consequential damages of any kind, in contract or in tort, in connection with this document or the information contained herein, even if advised of the possibility of such loss or damage. All Company, brand and product names may be trademarks that are the sole property of their respective owners.

The above notice and this paragraph must be included on all copies of this document that are made.

The EnOcean Alliance “EnOcean Equipment Profiles definitions” are available free of charge to companies, individuals and institutions for all non-commercial purposes (including educational research, technical evaluation and development of non-commercial tools or documentation.)

This specification includes intellectual property („IPR“) of the EnOcean Alliance and joint intellectual properties („joint IPR“) with contributing member companies. No part of this

## System Specification



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

<b>RORG</b>	A5	<b>4BS Telegram</b>
<b>FUNC</b>	10	Room Operating Panel
<b>TYPE</b>	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)					