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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A5-20: HVAC Components

RORG	A5	**4BS Telegram**
FUNC	20	HVAC Components
TYPE	03	Line powered Actuator (BI-DIR)

Submitter: Spartan Peripheral Devices

DIRECTION-1 = Transmit mode: Message from the actuator to the controller.
DIRECTION-2 = Receive mode: Commands from the controller to the actuator; max. reponse time 1 sec.

DIRECTION-1

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	DB3.7...DB3.0	Actual valve	AV	Actual valve	0...100	0...100	%
8	8	DB2.7...DB2.0	Not Used (= 0)					
16	8	DB1.7...DB1.0	Temperature	TMP	Temperature (linear)	0...255	0...+40	°C
24	4	DB0.7...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)					

DIRECTION-2

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	DB3.7...DB3.0	Actuator or Temperature Setpoint	ATS	Actuator Setpoint: in combination with BAS/Gateway controllers. Temperature Setpoint: The actuator can be used as self-sufficient room controller (pi controller) without integration in automation systems. Wherever the user wants room conditions to be individually controlled, the actuator can work in combination with a wireless room device (RCU).	0...100 or 255	0...100 or +40	% or °C
8	8	DB2.7...DB2.0	Temperature from RCU	TMPRC	Temperature actual from RCU = 0b0 (Room controller-unit)	255...0	0...+40	°C
16	5	DB1.7...DB1.3	Not Used (= 0)					
21	1	DB1.2	Set Point Selection	SPS	Set Point Selection for DB3	Enum: 0: Actuator Setpoint (0-100%); Unit respond to controller. 1: Temperature Setpoint 0...+40°C; Unit respond to room sensor and use internal PI loop.		
22	1	DB1.1	Set Point Inverse		Valve set point can be sent to the actuator normal or inverted through BAS/Gateway controller. The selection is done by DB_1.Bit1. in the actuator with DB_3. This function is used in dependence on the type of valve.	Enum: 1: true		
23	5	DB1.0...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)					