

EnOcean Equipment Profiles

REVISION HISTORY

Ver.	Editor	Change	Date
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System Specification



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A5-04: Temperature and Humidity Sensor

RORG	A5	4BS Telegram
FUNC	04	Temperature and Humidity Sensor
TYPE	03	Range -20°C to +60°C 10bit-measurement and 0% to 100%

Submitter: ITEC

Data exchange

Direction: unidirectional

Addressing: broadcast

Communication trigger: event- & time-triggered

Communication interval: 20 seconds – 1 hour (one time configuration)

Trigger event: threshold/delta for observed value, heartbeat

Tx delay: -

Rx timeout: -

Teach-in

Teach-in method: 4BS teach-in 2

Security

Encryption supported: -

Security level format: -

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	DB3.7...DB3.0	Humidity	HUM	Rel. Humidity (linear)	0...255	0...100	%
8	6	DB2.7...DB2.2	Not Used (= 0)					
14	10	DB2.1...DB1.0	Temperature	TMP	Temperature (linear)	0...1023	-20...+60	°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	2	DB0.2...DB0.1	Not Used (= 0)					
31	1	DB0.0	Telegram Type	TTP	Telegram Type	Enum:		
						0: Heartbeat		
						1: Event triggered		