System Specification

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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A5-30: Digital Input

RORG	A5	4BS Telegram
FUNC	30	Digital Input
TYPE	03	4 Digital Inputs, Wake and Temperature

Submitter: Afriso / EnOcean

Description:
This is used for universal modules with 4 digital inputs and a room temperature. The wake input signal of the device is provided to show the telegram transmission trigger. The application meaning and exact data interpretation of the digital channels depends on the end application and is not defined in this profile documentation.

Data exchange
Direction: unidirectional
Addressing: broadcast
Communication trigger: event- & time-triggered
Trigger event: wake event – application dependent
Teach-in method: 4BS teach-in 2

Appendix:
D1.4 – The Status of Wake signalizes the status of the WAKE PIN which has a special meaning in an ultra low application. Usually, by a status change of this input the module is triggered to perform a predefined operation.

Applications using this profile:

- water sensor conductive – Wake Status = 0 (water detected)
- pressure gauge with minimum or maximum (wake signal, configurable if min or max)
- indication and individual switching points (digital channels show different areas)

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	DB3.7...DB3.0	Not Used (= 0)					
8	8	DB2.7...DB2.0	Temperature	TMP	Temperature (linear)	255...0	0...40	°C
16	3	DB1.7...DB1.5	Not Used (= 0)					
19	1	DB1.4	Status of Wake	WA0	Value of wake signal	Enum: 0: Low 1: High		
20	1	DB1.3	Digital Input 3	DI3	Digital Input 3	Enum: 0: Low 1: High		
21	1	DB1.2	Digital Input 2	DI2	Digital Input 2	Enum: 0: Low 1: High		
22	1	DB1.1	Digital Input 1	DI1	Digital Input 1	Enum: 0: Low 1: High		
23	1	DB1.0	Digital Input 0	DI0	Digital Input 0	Enum: 0: Low 1: High		
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)					