

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

A5-30: 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)					