

## 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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## System Specification



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EnOcean Alliance Inc.  
2400 Camino Ramon, Suite 375  
San Ramon, CA 94583  
USA  
Graham Martin  
Chairman & CEO EnOcean Alliance

## A5-12: Automated Meter Reading (AMR)

<b>RORG</b>	A5	<b>4BS Telegram</b>
<b>FUNC</b>	12	Automated Meter Reading (AMR)
<b>TYPE</b>	05	Temperature and Container Sensor

Submitter: SIMICS, NTT East

### Description

Temp and Container Sensor aimed for fridge and other application.

E.g. eggs or egg carton puts on the Container Sensor in fridge. The sensor sends a signal of temp and remaining of eggs. Since this sensor is battery-powered, battery level information is transmitted with other information, too.

### Data exchange

Direction: unidirectional

Addressing: broadcast

Communication trigger: event- & time-triggered

Communication interval: -

Trigger event: load changed

Tx delay: -

Rx timeout: -

### Teach-in

Teach-in method: 4BS teach-in 2

### Security

Encryption supported: yes

Security level format: RLC + AES128

### Appendix

Location 0 - 9 are assigned as follows:

<b>0</b>	<b>2</b>	<b>4</b>	<b>6</b>	<b>8</b>
<b>1</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>9</b>

# System Specification

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	1	DB3.7	Position Sensor 0	PS0	Location 0	Enum: 0: not possessed 1: possessed		
1	1	DB3.6	Position Sensor 1	PS1	Location 1	Enum: 0: not possessed 1: possessed		
2	1	DB3.5	Position Sensor 2	PS2	Location 2	Enum: 0: not possessed 1: possessed		
3	1	DB3.4	Position Sensor 3	PS3	Location 3	Enum: 0: not possessed 1: possessed		
4	1	DB3.3	Position Sensor 4	PS4	Location 4	Enum: 0: not possessed 1: possessed		
5	1	DB3.2	Position Sensor 5	PS5	Location 5	Enum: 0: not possessed 1: possessed		
6	1	DB3.1	Position Sensor 6	PS6	Location 6	Enum: 0: not possessed 1: possessed		
7	1	DB3.0	Position Sensor 7	PS7	Location 7	Enum: 0: not possessed 1: possessed		
8	1	DB2.7	Position Sensor 8	PS8	Location 8	Enum: 0: not possessed 1: possessed		
9	1	DB2.6	Position Sensor 9	PS9	Location 9	Enum: 0: not possessed 1: possessed		
10	6	DB2.5...DB2.0	Not Used (= 0)					
16	8	DB1.7...DB1.0	Temperature	TMP	Temperature (linear)	0...255	-40...+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	1	DB0.2	Not Used (= 0)					
30	2	DB0.1...DB0.0	Battery Level	BL	Battery level	Enum: 0: 100-75% 1: 75-50% 2: 50-25% 3: 25-0%		