

## 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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## D2-32: A.C. Current Clamp

### Description

A family of EEP's based on a central unit where up to three a.c. Current Clamps can be connected. Each one capable of energy harvesting sufficiently to enable readings of current values to be taken in amps and transmitted every 30 seconds.

### Data exchange

Direction: unidirectional

Addressing: broadcast

Communication trigger: time-triggered

Communication interval: 30 seconds

Trigger event: Threshold Voltage for Power Fail transmission bit

Tx delay: -

Rx timeout: -

### Teach-in

Teach-in method: Universal teach-in (UTE)

### Security

Encryption supported: no

Security level format: -

### EEP Family Table:

Supported function	Type 00	Type 01	Type 02
Channel 1	X	X	X
Channel 2	-	X	X
Channel 3	-	-	X

Each TYPE has to support every parameter that is marked in its column!

The list of parameters could be structured following the features that always include a certain group of parameters.

# System Specification

<b>RORG</b>	D2	<b>VLD Telegram</b>
<b>FUNC</b>	32	A.C. Current Clamp
<b>TYPE</b>	02	Type 0x02

Submitter: Pressac Communications Ltd

**Type 02**

DB_5	DB_4	DB_3	DB_2	DB_1	DB_0
7 6 5 4 3 2 1 0 0 1 2 3 4 5 6 7	7 6 5 4 3 2 1 0 8 9 10 11 12 13 14 15	7 6 5 4 3 2 1 0 16 17 18 19 20 21 22 23	7 6 5 4 3 2 1 0 24 25 26 27 28 29 30 31	7 6 5 4 3 2 1 0 32 33 34 35 36 37 38 39	7 6 5 4 3 2 1 0 40 41 42 43 44 45 46 47
PF	CH1	CH2	CH3		

DB\_5, BIT\_7 ← 0  
Bit Offset: 0 → 47

## Notes

- 1) If Power Fail bit is set, all channel readings will be set to zero when this final telegram is sent.
- 2) Scale/divisor is set to 0 or 1 for all channels only, not individually.

Offset	Size	Data	ShortCut	Description	Valid Range	Scale	Unit
0	1	Power Fail	PF	See Note 1	Enum: 0: False 1: True		
1	1	Divisor	DIV	Divisor for all channels	Enum: 0: x/1 1: x/10		
2	6	Not Used (= 0)					
8	12	Channel 1	CH1	Current value	0...0xFFFF	0...4095 (409,5)	A
20	12	Channel 2	CH2	Current value	0...0xFFFF	0...4095 (409,5)	A
32	12	Channel 3	CH3	Current value	0...0xFFFF	0...4095 (409,5)	A
44	4	Not Used (= 0)					