

## 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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## D2-03: Light, Switching + Blind Control

The EEP family D2-03-xx provides different telegram types for switches, light and blind control. The purpose is to support secure communication and other functional aspects of applications extending the possibilities given by existing profiles (1BS, RPS, 4BS). Transmitting information in the status field of a telegram is not necessary with this EEP family.

<b>RORG</b>	D2	<b>VLD Telegram</b>
<b>FUNC</b>	03	Light, Switching + Blind Control
<b>TYPE</b>	20	Beacon with Vibration Detection

Submitter: Star Micronics Co., LTD.

### Description

This profile is defined for the use in beacon devices. Such devices transmit if the telegram was triggered by a vibration or the timer.

### Data exchange

Direction: unidirectional

Addressing: broadcast

Communication trigger: event- & time-triggered

Communication interval: -

Trigger event: Vibration (movement), timer

Tx delay: -

Rx timeout: -

### Teach-in

Teach-in method: N/A

### Security

Encryption supported: no

Security level format: -

### Appendix

This beacon device can send a radio telegram at a prescribed timing. The receiver can detect the beacon device with this transmission. This device, when attached to a human body, can also be made into a wide variety of beacon-based systems, which keep people within the safe area, or keep them out of the danger zone.

This device can replace a battery with a vibration power generator. The beacon device harvests power from human walking motion and activates the radio transmitter circuit; it does not require batteries of any kind, enabling maintenance-free operation in many applications.

The product to be immediately released comes with no switches, and the future product, to follow soon, will be equipped with pushbuttons for wider application possibilities.

Offset	Size	Data	ShortCut	Description	Valid Range	Scale	Unit
0	1	Energy Supply	ES	Defines the energy source for the transmission	Enum:		
					0:	Battery supply	
					1:	Vibration generator supply	
1	7	Not Used (= 0)					