EnOcean Equipment Profiles

REVISION HISTORY

Ver.	Editor	Change	Date
2.6.8	NM	Last xml edition of the EEP-Specification	Dec 31, 2017

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.

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F6-05: Detectors

RORG	F6	RPS Telegram
FUNC	05	Detectors
TYPE	00	Wind Speed Threshold Detector

Submitter: ViCOS GmbH

Description
This profile is used to communicate wind speed threshold detection.

The "Alarm ON" message shall be sent when the wind speed exceeds the threshold longer than the specified Delay_Time_AlarmON. If wind speed falls below the specified threshold longer than Delay_Time_AlarmOFF the "Alarm OFF" message shall be sent.

Delay time and threshold have to be set on the device.

Delay_Time_AlarmON: 1 ... 15 s (resolution 1 s)
Delay_Time_AlarmOFF: 1 ... 15 min (resolution 1 min)
Threshold: 0 ... 255 km/h

To ensure that the receiver gets the "Alarm On" message under any condition (e.g. AC mains failure), it shall be sent

every 60 s in alarm state.

When changing to "Alarm OFF" state the "Alarm OFF" messages shall be sent at least 2 times to avoid losing the "Alarm OFF" signal.

During "Alarm OFF" state the "Alarm OFF" message shall be repeated every 20 minutes.

In case of low energy, the "Energy LOW" message shall be sent every 60 minutes.

Data exchange
Direction: unidirectional
Addressing: broadcast
Communication trigger: event-triggered
Communication interval: in case of detection
Trigger event: detection
Tx delay: -
Rx timeout: -

Teach-in
Teach-in method: RPS teach-in (3 messages within 2s)

Security
Encryption supported: no
Security level format: -

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	DB0.7...DB0.0	Status	WND	Status of detection and battery	Enum:		
						0x00: Wind speed below threshold (Alarm OFF)		
						0x10: Wind speed exceeds threshold (Alarm ON)		
						0x30: Energy LOW		