

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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F6-05: Detectors

RORG	F6	RPS Telegram
FUNC	05	Detectors
TYPE	02	Smoke Detector

Submitter: ViCOS GmbH

Description

This profile is used to communicate smoke detection.

The "Alarm ON" message shall be sent immediately when smoke is detected. If smoke detection ends, the "Alarm OFF" message shall be sent.

To ensure that the receiver gets the "Alarm ON" message under any condition (e.g. AC mains failure), it shall be sent every 10 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.

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	SMO	Status of detection and battery	Enum:		
						0x00: Smoke Alarm OFF		
						0x10: Smoke Alarm ON		
						0x30: Energy LOW		