

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

D2-06: Multisensor Window / Door Handle and Sensors

TYPE 01 Submitter: SODA GmbH

TYPE 50 Submitter: SIEGENIA-AUBI KG

EEP Family Table **TYPE 01 ff**

Message Type (ID)	Commands ... of TYPE	0x01
0x00	Sensor Values	X
0x10	Configuration Report	X
0x20	Log Data 01	X
0x21	Log Data 02	X
0x22	Log Data 03	X
0x23	Log Data 04	X
0x80	Control and Settings	X

EEP Family Tables **TYPE 50 ff**

Message Type (ID)	Commands ... of TYPE	0x50
0x01	Window Status	X
0x02	Device Alarm Status	X
0x11	Calibrate	X

Parameters ... of TYPE	0x50
Burglary Alarm	X
Device Error/Alarm Status	X
Window State	X
Window State Counter	X
Change Battery	X
Battery State (5% Steps)	X
Calibration Step	X
Motion Sensor Error	-
Acceleration Sensor Error	X
Magnetic Sensor Error	X
System Error	-

Each TYPE has to support all telegrams and parameters marked in its column.
The list of parameters could be structured following the features that always include a certain group of parameters.

The Message 0x01 (Window Status) is sent event triggered and it will be sent cyclic as an ALIVE message.
The Message 0x02 (Device Alarm Status) is sent 10 times within 5 seconds in case of alarm.

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RORG	D2	VLD Telegram
FUNC	06	Multisensor Window / Door Handle and Sensors
TYPE	50	Window Sash and Hardware Position Sensor

Submitter: SIEGENIA-AUBI KG

Data exchange

Direction: unidirectional
 Addressing: broadcast
 Communication trigger: event-triggered
 Communication interval: event-triggered, time-triggered
 Trigger event: alarm, handle movement, window movement
 Tx delay: N/A
 Rx timeout: N/A

Teach-in

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

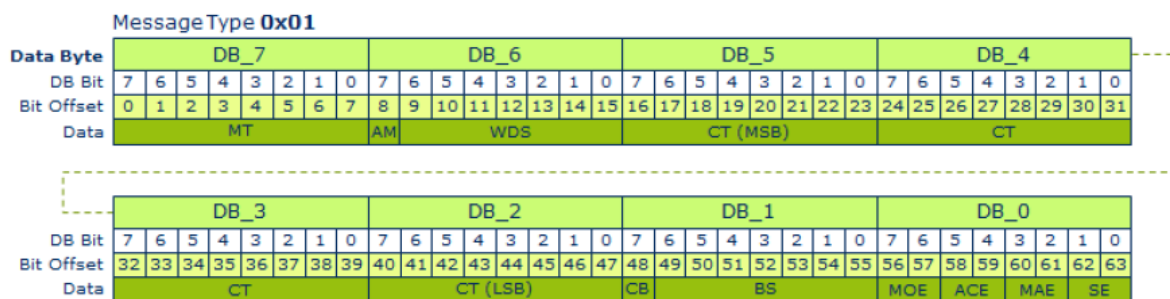
Security

Encryption supported: no
 Security level format: N/A

Description

TYPE 50 is a profile without environmental sensors except for the state of window and window handle.

Message Type 0x01 (Send): Window Status



Offset	Size	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	Message Type	MT	Message identification	Enum: 0x01: Window Status		
8	1	Alive Message	AM	Message sent without window status change	Enum: 0x0: Standard status message 0x1: Message because of alive cycle		
9	7	Window Status Event	WDS	Current status of window	Enum: 0x00: None 0x01: Sash: closed Window hardware/handle: closed 0x02: Sash: closed Window hardware/handle: open 0x03: Sash: closed Window hardware/handle: tilted		

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					<p>0x04: Sash: open Window hardware/handle: closed</p> <p>0x05: Sash: open Window hardware/handle: open</p> <p>0x06: Sash: open Window hardware/handle: tilted</p> <p>0x07: Sash: tilted Window hardware/handle: closed</p> <p>0x08: Sash: tilted Window hardware/handle: open</p> <p>0x09: Sash: tilted Window hardware/handle: tilted</p> <p>Reserved</p> <p>0x0A...0x7F:</p>
16	32	Counter	CT	Counter status events	<p>Enum:</p> <p>0x00000000...0xFFFFFFFF: Individual counter status of the active window status event</p>
48	1	Change Battery	CB	Change battery	<p>Enum:</p> <p>0x0: Battery OK</p> <p>0x1: Change battery</p>
49	7	Battery State	BS	State of battery charge in 5% steps	<p>Enum:</p> <p>0x00...0x64: % 0...100</p> <p>0x65...0x7F: Invalid</p>
56	2	Motion Sensor Error	MOE	<p>OK: Motion sensor works correctly and delivers correct values</p> <p>Error: Motion sensor returns incorrect values (out of defined areas)</p> <p>Not supported: No motion sensor available</p>	<p>Enum:</p> <p>0x0: OK</p> <p>0x1: Error</p> <p>0x2: Not supported</p> <p>0x3: Reserved</p>
58	2	Acceleration Sensor Error	ACE	<p>OK: Acceleration sensor works correctly and delivers correct values</p> <p>Error: Acceleration sensor returns incorrect values (out of defined areas)</p> <p>Not supported: No acceleration sensor available</p>	<p>Enum:</p> <p>0x0: OK</p> <p>0x1: Error</p> <p>0x2: Not supported</p> <p>0x3: Reserved</p>
60	2	Magnetic Sensor Error	MAE	<p>OK: Magnetic sensor works correctly and delivers correct values</p> <p>Error: Magnetic sensor returns incorrect values (out of defined areas)</p> <p>Not supported: No magnetic sensor available</p>	<p>Enum:</p> <p>0x0: OK</p> <p>0x1: Error</p> <p>0x2: Not supported</p> <p>0x3: Reserved</p>
62	2	System Error	SE	<p>OK: No system error detected</p> <p>Error: System error detected (sensors not included)</p> <p>Not supported: No system error detection available</p>	<p>Enum:</p> <p>0x0: OK</p> <p>0x1: Error</p> <p>0x2: Not supported</p> <p>0x3: Reserved</p>

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Message Type 0x02 (Send): Device Alarm Status

Message Type **0x02**

Data Byte	DB_1								DB_0							
DB Bit	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0
Bit Offset	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Data	MT								BA							

Offset	Size	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	Message Type	MT	Message identification	Enum: 0x02: Device Alarm Status		
8	4	Not Used (= 0)					
12	4	Burglary Alarm	BA	Burglary alarm	Enum: 0x0: Burglary alarm not triggered 0x1: Burglary alarm triggered 0x2...0xF: Reserved		

Message Type 0x11 (Send): Calibrate

Calibration Routine: e.g.

Throughout the calibration routine some of the steps are sent sequentially in a specific order to request a certain action from the user.

1. Calibration Step 0x0A is sent
 - ... a. The user is prompted to close the window
2. Calibration step 0x01 is sent
 - ... a. The user is prompted to close the handle
3. Calibration step 0x02 is sent
 - ... a. The user is prompted to open the handle
4. Calibration Step 0x03 is sent
 - ... a. The user is prompted to tilt the handle
5. Calibration step 0x01 is sent
 - ... a. The user is prompted to close the handle
6. Calibration step 0x00 is sent
 - ... a. The calibration was successful

Message Type **0x11**

Data Byte	DB_1								DB_0								
DB Bit	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0	
Bit Offset	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Data	MT								CS	CAL							

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Offset	Size	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	Message Type	MT	Message identification	Enum: 0x11: Calibrate		
8	2	Calibration Status	CS	Current calibration status	Enum: 0x0: OK 0x1: Error 0x2: Invalid 0x3: Reserved		
10	6	Calibration Step	CAL	Next calibration step	Enum: 0x00: No next step / none 0x01: Sash: closed Window hardware/handle: closed 0x02: Sash: closed Window hardware/handle: open 0x03: Sash: closed Window hardware/handle: tilted 0x04: Sash: open Window hardware/handle: closed 0x05: Sash: open Window hardware/handle: open 0x06: Sash: open Window hardware/handle: tilted 0x07: Sash: tilted Window hardware/handle: closed 0x08: Sash: tilted Window hardware/handle: open 0x09: Sash: tilted Window hardware/handle: tilted 0x0A: Frame magnet validation Reserved 0x0B...0x3F:		