

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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D2-05: Blinds Control for Position and Angle

Submitter: AWAG Elektrotechnik AG

Description

The protocol is intended for commissioning as well as for operation of a blind actuator that supports control of the vertical position as well as the rotation angle of the slats.

Data exchange

Direction: bidirectional

Addressing: unicast (ADT) & broadcast

Communication trigger: event-triggered or upon query

Communication interval: TYPE 00,01: heartbeat (off or 30 s or 3 min), TYPE 02: event-triggered

Trigger event TYPE 00,01:

- a) status change (alarm, blockage, deblockage)
- b) position change > 10 % of range
- c) end position reached (0% or 100%)
- d) heartbeat

Trigger event TYPE 02:

request, manual change (position, angle)

Tx delay: n/a

Rx timeout: n/a

Teach-in

Teach-in method: Universal teach-in

Security

Encryption supported: no

Security level format: n/a

EEP Family Table

Each TYPE has to support all telegrams and parameters marked in its column.

Command Overview	Type 0x00	Type 0x01	Type 0x02
No. of output channels	1	4	1
Go to Position and Angle	X	X	X
Stop	X	X	X
Query Position and Angle	X	X	X
Reply Position and Angle	X	X	X
Set parameters	X	X	-

Parameter Overview	Type 0x00	Type 0x01	Type 0x02
Vertical position	X	X	X
Rotation angle	X	X	X
Repositioning	X	X	X
Blockage mode	X	X	X
Alarm mode	X	X	-
Set vertical, 5 sec ... 5 min	X	X	-
Set rotation, 0 ... 2.54 sec	X	X	-
Set Alarm Action	X	X	-

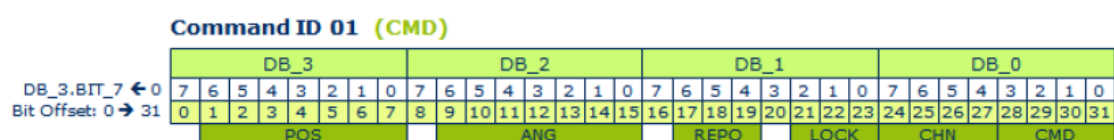
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RORG	D2	VLD Telegram
FUNC	05	Blinds Control for Position and Angle
TYPE	02	Type 0x02

Submitter: ViCOS GmbH

CMD 1 - Go to Position and Angle

Exemplary illustration of data bytes 0 ... 3:



Offset	Size	Data	ShortCut	Description	Valid Range	Scale	Unit
0	1	Not Used (= 0)					
1	7	Position	POS	Vertical position	Enum: 0...100: 127: Do not change	0...100 %	
8	1	Not Used (= 0)					
9	7	Angle	ANG	Rotation angle	Enum: 0...100: 127: Do not change	0...100 %	
16	1	Not Used (= 0)					
17	3	Repositioning	REPO	How to adjust the internal positioning tracker before going to the new position	Enum: 0: Go directly to POS/ANG 1: Go up (0%), then to POS/ANG 2: Go down (100%), then to POS/ANG 3...7: Reserved		
20	1	Not Used (= 0)					
21	3	Locking mode	LOCK	Set/reset locking mode	Enum: 0: Do not change 1: Set blockage mode 2...6: Reserved 7: Deblockage		
24	4	Channel	CHN	Channel address	Enum: 0: Channel 1 2...6: Reserved		
28	4	Command ID	CMD	Command identifier	Enum: 1: Goto command		

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CMD 2 - Stop

Offset	Size	Data	ShortCut	Description	Valid Range	Scale	Unit
0	4	Channel	CHN	Channel address	Enum: 0: Channel 1		
4	4	Command ID	CMD	Command identifier	Enum: 2: Stop command		

CMD 3 - Query Position and Angle

Offset	Size	Data	ShortCut	Description	Valid Range	Scale	Unit
0	4	Channel	CHN	Channel address	Enum: 0: Channel 1		
4	4	Command ID	CMD	Command identifier	Enum: 3: Query command		

CMD 4 - Reply Position and Angle

Offset	Size	Data	ShortCut	Description	Valid Range	Scale	Unit
0	1	Not Used (= 0)					
1	7	Position	POS	Current vertical position	Enum: 0...100: % 127: Position unknown, will be known after the next goto cmd		
8	1	Not Used (= 0)					
9	7	Angle	ANG	Current rotation angle	Enum: 0...100: % 127: Angle unknown, will be known after the next goto cmd		
16	5	Not Used (= 0)					
21	3	Locking mode	LOCK	Set/reset locking mode	Enum: 0: Normal (no lock) 1: Blockage mode 2...7: Reserved		
24	4	Channel	CHN	Channel address	Enum: 0: Channel 1 1...15: Reserved		
28	4	Command ID	CMD	Command identifier	Enum: 4: Reply command		