D2 : VLD Telegram

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.

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

Commands Overview	00	01	02	03	05
Goto command	X	X	X	X	X
Stop command	X	X	X	X	X
Query command	X	X	X	X	X
Reply command	X	X	X	X	X
Set parameters	X	X	-	-	-
Open motorized window	-	-	-	X	-
Query data	-	-	-	X	-
Reply data	-	-	-	X	-

Parameters Overview	00	01	02	03	05
position	X	X	X	X	X
Angle	X	X	X	X	X
verticalMovementTime	X	X	-	-	-
rotationTime	X	X	-	-	-
Repositioning	X	X	X	X	X
lockingMode	X	X	X	X	X
channel	X	X	X	X	X
alarmAction	X	X	-	-	-
transmissivity	-	-	-	X	-
Locking sensor 1	-	-	-	X	-
Locking sensor 2	-	-	-	X	-
Intrusion detected	-	-	-	X	-
SolarProtection	-	-	-	X	-
Motorized sash	-	-	-	X	-
Error state	-	-	-	X	-
Opening mode	-	-	-	X	-
CurrentRun	-	-	-	-	X

RORG	D2	**VLD Telegram**
FUNC	05	Blinds Control for Position and Angle
TYPE	05	4-channel blind actuator

CMD: Goto command

Description
The protocol is intended 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: to.
Addressing: unicast.
Communication trigger: event_trigger.
Trigger description: manual trigger.

Offset	Size	Data	Description	Valid Range		Scale	Unit	Trigger
0	1	Not Used (= 0)						
1	7	position	Vertical position	Enum:				
				0 ... 100 :	0 ... 100 %			
				127 :	noChange			
8	1	Not Used (= 0)						
9	7	Angle	Rotation angle	Enum:				
				0 ... 100 :	0 ... 100 %			
				127 :	noChange			
16	1	Not Used (= 0)						
17	3	Repositioning	How to adjust the internal positioning tracker before going to the new position	Enum:				
				0 :	direct			
				1 :	firstUp			
				2 :	firstDown			
20	1	Not Used (= 0)						
21	3	lockingMode	Set/reset locking modes	Enum:				
				0 :	noChange			
				1 :	block			
				2 ... 6 :	reserved			
				7 :	unblock			
24	4	channel	Channel address	Enum:				
				0 :	Channel 1			
				1 :	Channel 2			
				2 :	Channel 3			
				3 :	Channel 4			
				15 :	All channels			
28	4	commandId	command identifier	Enum:				
				1 :	Goto command			

CMD: Stop command

Description
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Data exchange
Direction: to.
Addressing: unicast.
Communication trigger: event_trigger.
Trigger description: manual trigger.

Offset	Size	Data	Description	Valid Range		Scale	Unit	Trigger
0	4	channel	Channel address	Enum:				
				0 :	Channel 1			
				1 :	Channel 2			

					2 :	Channel 3		
					3 :	Channel 4		
					15 :	All channels		
4	4	commandId	command identifier	Enum:				
				2 :	Stop command			

CMD: Query command

Description

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Data exchange
Direction: to.
Addressing: unicast.
Communication trigger: event_trigger.
Trigger description: manual trigger.

Offset	Size	Data	Description	Valid Range		Scale	Unit	Trigger
0	4	channel	Channel address	Enum:				
				0 :	Channel 1			
				1 :	Channel 2			
				2 :	Channel 3			
				3 :	Channel 4			
				15 :	All channels			
4	4	commandId	command identifier	Enum:				
				3 :	Query command			

CMD: Reply command

Description

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Data exchange
Direction: to.
Addressing: broadcast.
Communication trigger: response_to_cmd.
Trigger description: Query command.

Offset	Size	Data	Description	Valid Range		Scale	Unit	Trigger
0	1	Not Used (= 0)						
1	7	position	Vertical position	Enum:				
				0 ... 100 :	0 ... 100	%		
				127 :	noChange			
8	1	Not Used (= 0)						
9	7	Angle	Rotation angle	Enum:				
				0 ... 100 :	0 ... 100	%		
				127 :	noChange			
16	3	Not Used (= 0)						
19	2	CurrentRun	Vertical direction of movement of the blind	Enum:				
				0 :	stopped			
				1 :	up			
				2 :	down			
				3 :	unknown			
21	3	lockingMode	Set/reset locking modes	Enum:				
				0 :	normal (unblocked)			
				1 :	blocked			
				2 ... 7 :	reserved			
24	4	channel	Channel address	Enum:				

				Enum:	
				0 : Channel 1	
				1 : Channel 2	
				2 : Channel 3	
				3 : Channel 4	
				15 : All channels	
28	4	commandId	command identifier	Enum:	
				4 : Reply command	