

## 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	04
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	04
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	<b>VLD Telegram</b>
FUNC	05	Blinds Control for Position and Angle
TYPE	04	1-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 ... 15 : reserved			
28	4	commandId	command identifier	Enum: 1 : Goto command			

## CMD: Stop command

### Description

.

### 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 ... 15 : reserved			
4	4	commandId	command identifier	Enum: 2 : Stop command			

## CMD: Query command

### Description

.

### 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 ... 15 : reserved			
4	4	commandId	command identifier	Enum: 3 : Query command			

## CMD: Reply command

### Description

.

### 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 : Position unknown, will be known after the next goto cmd			
8	1	Not Used (= 0)					
9	7	Angle	Rotation angle	Enum: 0 ... 100 : 0 ... 100 % 127 : Position unknown, will be known after the next goto cmd			
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 (unlocked) 1 : blocked 2 ... 7 : reserved			
24	4	channel	Channel address	Enum: 0 : Channel 1 1 ... 15 : reserved			
28	4	commandId	command identifier	Enum: 4 : Reply command			

