

## D2 : VLD Telegram

### D2 - 06 : Multisensor Window / Door Handle and Sensors

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#### Description

A typical device using the proposed EEP is a window handle that includes an electronically controlled lock-bolt to secure a window against unauthorized opening. The typical communication counterpart for such a window handle is a building automation system that manages opening authorizations per each individual window handle or a group of such handles.

The default state of a window handle using the proposed EEP is closed and mechanically locked by its lock-bolt. Prior to opening or tilting the window unlock allowance needs to be requested, e.g. by pressing an "unlock button" located at the window handle.

In addition to the locking functionality, the window handle reports its status at least every 30 minutes and immediately in case the tilt / open / closed status is changed by manual interaction.

#### Data exchange

Direction: bidirectional

Timeout: 290 ms

#### Teach-in

Teach-in method: not specified

#### EEP Family Table

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

<b>Command Overview</b>	<b>40</b>
Status / Unlock-Query Message	X
Unlock-Reply Message	X
<b>Parameter Overview</b>	<b>40</b>
Handle Status	X
Mechanics Status	X
Lock Status	X
Unlock Query	X
Unlock Reply	X

<b>RORG</b>	D2	<b>VLD Telegram</b>
<b>FUNC</b>	06	Multisensor Window / Door Handle and Sensors
<b>TYPE</b>	40	Lockable Window Handle with Status Reporting

### CMD: Status / Unlock-Query Message

Description

Lockable Window Handle with Status Reporting.

Data exchange Addressing: unicast or broadcast (application specific)

Communication trigger: event time trigger

Timing description: at least every 30 minutes

Offset	Size	Data	Description	Valid Range	Scale	Unit	Trigger
0	2	Cmd Id	Command Id	Enum:			
				0 :	Ignore (for compatibility reasons)		
				1 :	Status / Request		
				2 :	Reserved		
2	2	Handle Status	Status of window handle	Enum:		X	
				0 :	Closed		
				1 :	Open		
				2 :	Tilted		
4	1	Mechanics Status	Status of mechanics	Enum:			
				0 :	OK		
				1 :	ERROR		
5	2	Lock Status	Status of lock-bolt	Enum:			
				0 :	Unlocked		
				1 :	Locked		
				2 :	Unknown		
7	1	Unlock Query	Query to unlock window handle	Enum:		X	
				0 :	Unlock NOT requested		
				1 :	Unlock requested		

### CMD: Unlock-Reply Message

Data exchange

Addressing: unicast

Communication trigger: response to cmd

Offset	Size	Data	Description	Valid Range	Scale	Unit	Trigger
0	2	Cmd Id	Command Id	Enum:			
				0 :	Ignore (for compatibility reasons)		
				1 :	Reserved		
				2 :	Reply		
2	5	Not Used (= 0)					
7	1	Unlock Reply	UnlockAllowanceInfo	Enum:			
				0 :	Unlock NOT allowed		
				1 :	Unlock allowed		