

EnOcean Equipment Profiles

REVISION HISTORY

Ver.	Editor	Change	Date
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System Specification



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D2-A0: Standard Valve

RORG	D2	VLD Telegram
FUNC	A0	Standard Valve
TYPE	01	Valve Control (BI-DIR)

Submitter: Afriso / EnOcean

Description:

Radio operated valve control with feedback message. Valve is controlled through the air interface to be opened or closed. The valve reports the actual status after finishing the determined operation.

Data exchange

Direction: bidirectional

Addressing: addressed (inbound) and broadcast (outbound)

Communication trigger: event- & time-triggered

Trigger event: position of valve has changed

Teach-in method: UTE

DIRECTION-1 = Outbound (water valve to the controller)

Description: Valve reports its status. Report is sent after operation was executed or as a heartbeat.

DIRECTION-2 = Inbound (controller to the water valve)

Description: Operational command to the valve. After this request a feedback response will be transmitted, once the operation is finished.

A "no change"-command will also be followed by a feedback response. Therefore, it can be used as a status request.

DIRECTION-1

Offset	Size	Data	ShortCut	Description	Valid Range	Scale	Unit
0	6	Not Used (= 0)					
6	2	Feedback	FDB	Return	Enum:		
					0b00: Not defined		
					0b01: Closed		
					0b10: Opened		
					0b11: Not defined		

DIRECTION-2

Offset	Size	Data	ShortCut	Description	Valid Range	Scale	Unit
0	6	Not Used (= 0)					
6	2	Request	REQ	Request to operate the valve	Enum:		
					0b00: No change (request of feedback)		
					0b01: Request to close valve		
					0b10: Request to open valve		
					0b11: Request to close valve		