

EnOcean Equipment Profiles

REVISION HISTORY

Ver.	Editor	Change	Date
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System Specification



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A5-20: HVAC Components

RORG	A5	4BS Telegram
FUNC	20	HVAC Components
TYPE	02	Basic Actuator (BI-DIR)

Submitter: Spartan Peripheral Devices

Basic Actuator can be used by any manufacturer for linear or rotary actuator.

DIRECTION-1 = Transmit mode: Message from the actuator to the controller.

DIRECTION-2 = Receive mode: Commands from the controller to the actuator. To use with a BAS/Gateway system; max. response time 1 sec.

DIRECTION-1

DIRECTION 1

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	DB3.7...DB3.0	Actual Value	AV	Actual value (linear); can be a linear or rotation motion.	0...100	0...100	%
8	14	DB2.7...DB1.2	Not Used (= 0)					
22	1	DB1.1	Set point inverse	SPI	Set point inverse (Needs to be defined by manufacturer what zero(0) is equal to, and one(1) is equal to. Default state to be define as per product manufacturer	Enum: 1: true		
24	4	DB0.7...DB0.4	Not Used (= 0)					
28	1	DB0.3	LRN Bit	LRNB	LRN Bit	Enum: 0: Teach-in telegram 1: Data telegram		
29	3	DB0.2...DB0.0	Not Used (= 0)					

DIRECTION-2

DIRECTION 2

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	DB3.7...DB3.0	Valve Set point	VSP	Valve set Point (linear)	0...100	0...100	%
8	8	DB2.7...DB2.0	Not Used (= 0)					
16	6	DB1.7...DB1.2	Not Used (= 0)					
22	1	DB1.1	Set point inverse	VSP	'Set point inverse' needs to be defined by manufacturer what zero(0) is equal to, and one(1) is equal to. Default state to be define as per product manufacturer. It can send a command to invert functionality of the unit. In some instance some equipment might need 100% to represent fully extracted, in other fully retracted.	Enum: 1: true		
23	5	DB1.0...DB0.4	Not Used (= 0)					
28	1	DB0.3	LRN Bit	LRNB	LRN Bit	Enum: 0: Teach-in telegram 1: Data telegram		
29	3	DB0.2...DB0.0	Not Used (= 0)					