Electromotor Valve Drive, MDRC ST/K 1.1, 2CDG 120 004 R0011



The Electromotor Valve Drive ST/K 1.1 is a proportional valve drive for controlling heating valves via the ABB i-bus[®] KNX. The valve drive is mounted on thermostat valve bases. The control is carried out via a continuous KNX room thermostat. The Electromotor Valve Drive ST/K 1.1 also has two binary inputs which can be used e.g. for the connection of a presence contact and/or window contact. The status of these inputs can be sent on the bus.

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Technical data

Power supply	Operating voltage	21 30 V DC, erfolgt über KNX		
	Power consumption	typ. 10 mA		
	Power consumption via the KNX	typ. 240 mW/max. 350 mW		
Operating and display elements	Programming LED and button 5 LEDs	zur Eingabe der physikalischen Adresse Anzeige der Ventilstellung: keine LED: 0 % 1. LED 1 % - 20 % 2. LED: 21 % - 40 % 3. LED: 41 % - 60 % 4. LED: 61 % - 80 % 5. LED: 81 % - 100 %		
Drive	Running time	< 20 s/mm		
	Max. lift	7,5 mm		
	Actuating force	max. 120 N		
Connections	6-core connecting cable for: 2 binary inputs (per 2 cores)	Presence and/or window contact (yellow/green) and (white/brown)		
	KNX (2 cores)	Bus connecting terminal (black/red)		
Type of protection	IP 21 in accordance with EN 60 529			
Protection class	III in accordance with DIN VDE 0106 part 1			
Ambient temperature range	Operation	0 °C +50 °C		
	Storage	-20 °C +60 °C		
	Transport	-20 °C +60 °C		
	Medium	max. +100 °C		
Design	Compact device for placing on the valve base of thermostat			
Housing, colour	Plastic housing, white			
Installation	On valve base of thermostat Adapter rings supplied are suitable for	Danfoss RA, Heimeier, MNG, Herb Schlösser 3/93, Honeywell, Onda Braukmann, Dumser, Reich (distributor), Landis+Gyr, Oventrop		
	Detection of the valve end stop	Fully automatic		
Dimensions	82.5 x 50 x 65 mm (H x W x D)			

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Weight	0.2 kg
Mounting position	as required
Certification	EIB- and KNX-certified
CE norm	in accordance with the EMC guideline and the low voltage guideline

Application programs	Number of communication objects	Max. number of group addresses	Max. number of associations
Valve Drive Continuous /1	8	18	18

Note

For a detailed description of the application program see "Electromotor Valve Drive ST/K 1.1" product manual. It is available free-of-charge at <u>www.ABB.de/KNX</u>.

The programming is carried out with ETS from version ETS2 V1.2a onwards.

Caution

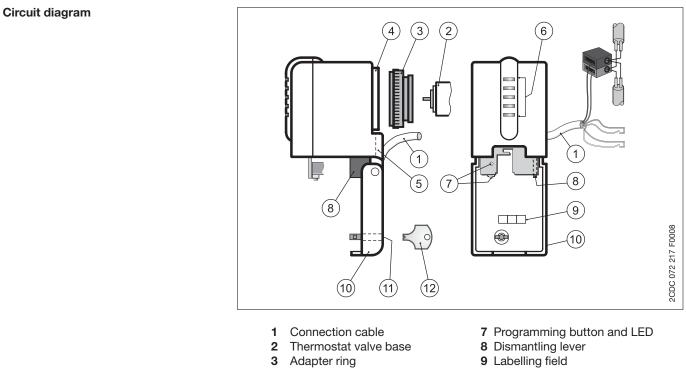
During maintenance work on the heater, the valve drive should always be dismantled and the valve should be securely closed (e.g. original protective cap).

Otherwise, the valve could be opened unexpectedly by the thermostat or valve protection function and thereby cause water damage.

When downloading the application, the Electromotor Valve Drive ST/K 1.1 must already be mounted on the valve as otherwise no adaptation can take place.

If an already adapted device is placed on another valve, the adaptation must be carried out again by downloading the application.

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- 4 Valve connection
- 5 Cable entry
- 6 Valve opening display
- 10 Hinged lid

50

С

82.5

- 11 Lock
- 12 Key
- 65



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Dimension drawing

2CDC 072 169 F0004

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