



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.

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	zur Eingabe der physikalischen Adresse
	5 LEDs	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 Schösser 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)	

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 www.ABB.de/KNX.

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

Caution

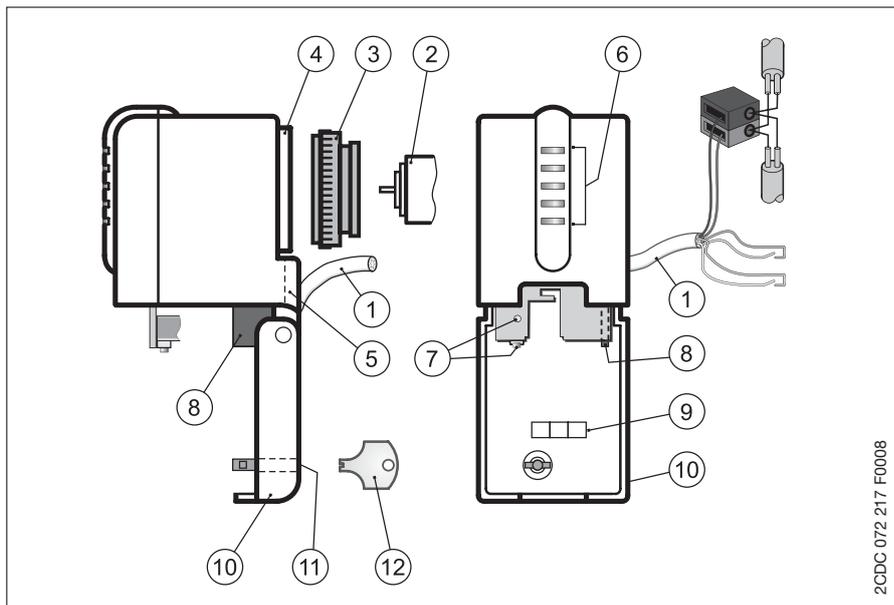
During maintenance work on the heater, the valve drive should always be dismantled and the valve should be securely closed (e.g. original protective cap).

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.

Circuit diagram



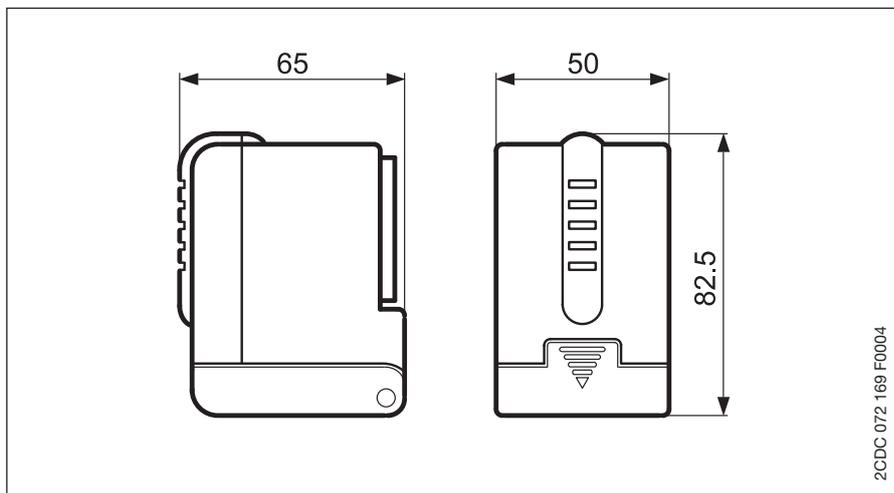
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|-------------------------|------------------------------|
| 1 Connection cable | 7 Programming button and LED |
| 2 Thermostat valve base | 8 Dismantling lever |
| 3 Adapter ring | 9 Labelling field |
| 4 Valve connection | 10 Hinged lid |
| 5 Cable entry | 11 Lock |
| 6 Valve opening display | 12 Key |

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Dimension drawing



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Notes

