

# ACTUATOR<sub>C</sub> 24V

Installation - Commissioning

20210324  
Art. 942428065

## Technical data - Valve actuator

Voltage	24 V AC/DC, +20%...-10%	
Max. inrush current	< 300 mA during max. 2 min.	
Power rating, start-up:	6 VA for a maximum of 2 minutes	
Power rating, operation:	1 VA	
Stroke	4.0 / 5.0 mm	
Actuation force	100 N +10 %	
Fluid temperature	0 to +100 °C <sup>1)</sup>	
Storage temperature	-25 °C to +60 °C	
Ambient temperature	0 to +60 °C	
Protection class	III	
Degree of protection	IP 54 <sup>2)</sup>	
CE conformity according to	EN 60730	
Casing	Material	Polyamide
	Colour	Light grey (RAL 7035)
	Connection line (Halogen-free)	Type
	Colour	Light grey (RAL 7035)
	Length	1 m
Weight with connection cable (1 m)	100 g	
Surge strength according to EN 60730-1	1 kV	

<sup>1)</sup> or higher, depending on the adapter. <sup>2)</sup> in all installation positions

## Installation with valve adapter

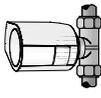
The valve adapter assortment guarantees a perfect match of the actuator to almost all valve bottoms and heating circuit distributors available on the market. The OEM Actuator 5 is simply plugged on to the valve adapter previously installed manually.

## Installation position

The OEM Actuator must be installed preferably in vertical or horizontal installation position. In case of "overhead" installation, special circumstances (e. g. drainwater) can reduce the lifetime of the actuator.



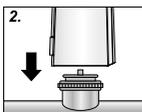
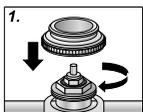
A: vertical



B: horizontal



C: "overhead"



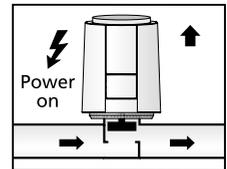
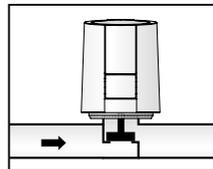
1. Screw the valve adapter manually onto the valve.
2. Position the Actuator manually in vertical position to the valve adapter.
3. Latch the Actuator to the valve adapter by manually applied vertical pressure until a clicking sound is heard.

## Function display

The function display (all around display) of the actuator shows at the first glance whether the valve is open or closed; this can also be felt in the dark.

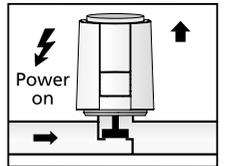
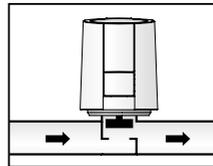
### For the version NC:

Normally closed extracts the function display when the valve opens.



### For the version NO:

Normally open extracts the function display when the valve is closed.



### "First Open" function (for NC variants only)

In its delivery condition, the OEM Actuator is normally open due to the "First Open" function. This enables heating operation during the carcass construction phase even when the electric wiring of the room-by-room temperature control is not yet complete. When commissioning the system at a later date, the "First Open" function is automatically unlocked by applying the operating voltage (for more than 6 minutes) and the actuator is fully operable.

## Electric connection

