

Datasheet

ANALOG VALVE 0-10V
Art. 1632.03122/57100



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Description

Thanks to the analog interface 0-10V, precise output values may be specified to the valve.

By means of the integrated position monitor these values can exactly be implemented.

The ANALOG VALVE allows therefore more efficient heating or cooling regulations to be reached, for example in association with our KNX FANCOIL Actuator.

Properties

- Easy to fit onto the valve
- Fitted to valve via M30x1.5 thread with automatic adaptation
- Pushing force up to 125N
- With 24V ~ expansion element and accurate continuous input
- Choice of control action 0(2)...10V/10...(2)0V and split-range function 0 ... 4.5V or 5.5 ... 10V
- Choice of stroke 100% control signal 4.5mm or 3mm
- Position monitor with inductive, non-wearing sensor; needs no periodic re-adjustment
- Large, tangible and visible position indicator
- NC version „normally closed“
- Silent and maintenance-free
- With modular plug for electrical connection (various cable lengths and cable types)
- Modern design

Technical Data

Housing		
	Material	High-quality, self-extinguishing plastic
	Colour	Pure White (RAL 9010) High-gloss finish (FV-0 acc. to EN 60707 & V-0 acc. to UL94)
Connection to valve		With plastic bayonet connection
	Bayonet nuts for connection to popular valves	With threads M30x1.5 (black) M28x1.5 (grey) M30x1.0 (white) Also suitable for refitting existing systems without adaptors
Power cable		
	Colour	White
	Length	Standard length 2m, H03VV
	Material	PVC or halogen-free
	Diameter	Ø 0.22mm ²
Run time		approx. 30s/mm in control mode
Mounting		Any installation position, including upside-down
Electrical supply		
	Power supply	24V~±20% 50...60Hz
	Power consumption during operation	Approx. 2W
	Activation power	max.5W

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Activation current	approx. 250mA
Stand-by current	max. 6mA
Operating current	max. 90mA
Version	
max. operating temperature	100°C (at valve)
Control voltage	0...10V; $R_i \geq 100k\Omega$
Max. stroke	4.5/3 mm
Closing force	115N
NC/NO	NC
Permitted ambient conditions	
Operating temperature	-20°C to +70°C
Storage and transport temperature	0...50°C
Humidity	-25...70°C
	<85% rF
	no condensation
Standards, directives	
Protection type	IP54 (EN 60730-1, -2, -14)
Protection class 24V	III (EN 60730)
CE-conformity according to :	
Electrical security	EN 60730-1, -2, -14
2006/95/EG	EN 60335-1