

MP130-24M/24-10M

Modulating Actuators for Proportional Control
For VP228E/VP229E SmartX PIBCV, DN10-32



Product Description

The MP130-24M is a proportional actuators for the SmartX PIBCV (DN10-32) automatic balance and control valves. This actuator is used with fan coil units, induction units, small reheaters, recoolers and zone applications in which hot/cold water is the controlled medium.

For Position feedback, please refer to the MP130-24MP actuator.

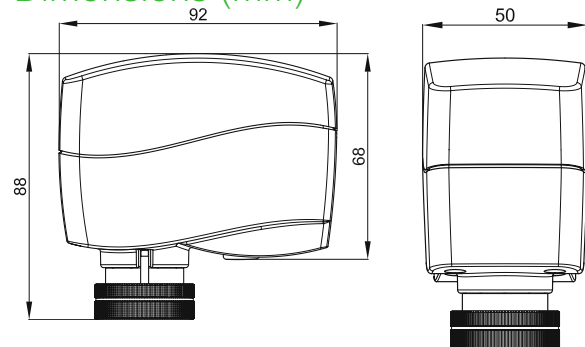
Features

- Gap detection at stem up position
- Modulating control
- Force switch-off at stem down position prevents overload of actuator and valve
- No tools required for mounting
- Maintenance-free lifetime
- Low-noise operation
- Self-positioning process
- Halogen free cables

Specifications

Power supply	24 Vac, +20...-15 %
Power consumption	
running	2 VA
standby	.5 W
Control input Y	0...10 (2...10) Vdc, 200 kΩ 0...20 (4...20) mA, 500 kΩ
Frequency	50/60 Hz
Close off force	130 N
Stroke	5 mm
Speed	24 s/mm
Relative humidity	max. 80 %
Max. medium temperature	120 °C
Ambient temperature	0... 55 °C
Storage and transport temperature	-40 ... 70 °C
Protection class	III safety extra-low voltage
Grade of enclosure	IP 42
Weight	0,3 kg
CE marking in accordance with standards	Low Voltage Directive (LVD) 2006/95/EC: EN 60730-1, EN 60730-2-14, EMC Directive 2004/108 EC: EN 61000-6-2, EN 61000-6-3

Dimensions (mm)



Part Numbers

Part Number	Cable Length (m)
MP130-24M	1,5
MP130-24M-10M	10

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MP130-24F/230F

Motoric Actuators for Floating Control
For VP228E/VP229E SmartX PIBCV, DN10...32



Product Description

The MP130-24F or MP130-230F are 3 wire floating actuators used together with SmartX PIBCV (DN10...32) automatic balance and control valves. Typical applications include temperature control on terminal units (fan-coils, chilled ceilings) and small air-handling units.

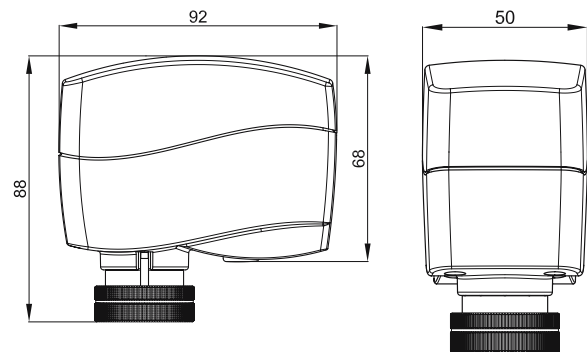
Specifications

Power supply	
MP130-24F (-10M)	24 Vac, +10...-15 %
MP130-230F	230 Vac +10...-15 %
Power consumption,	
Running (Standby):	
MP130-24F	1 VA (0W)
MP130-230F	8 VA (0W)
Frequency	50/60 Hz
Close off force	130 N
Max. Stroke	5.5 mm
Speed	24 s/mm
Relative humidity	max. 80 %
Max. medium temperature	130 °C
Ambient temperature	0 ... 55 °C
Storage and transport temperature	-40 ... 70 °C
Protection class	
MP130-24F(-10M)	III safety extra-low voltage
MP130-230F	II
Grade of enclosure	IP42
Weight	0.3 kg
CE marking in accordance with standards	Low Voltage Directive (LVD) 2006/95/EC: EN 60730-1, EN 60730-2-14, EMC Directive 2004/108/EC: EN 61000-6-2, EN 61000-6-3
MP130-24F	
MP130-230F	EMC- Directive 89/336/EEC, 92/31/EEC, 93/68/EEC, EN 61000-6-1 and EN 61000-6-3 Low Voltage Directive 73/23/EEC and 93/68/EEC, EN 60730-2-14

Features

- Gap detection at stem up position
- 3 point version
- Force switch-off at stem down position prevents overload of actuator and valve
- No tools required for mounting
- Maintenance-free lifetime
- Low-noise operation
- Halogen free cables

Dimensions (mm)



Part Numbers

Part Number	Cable length (m)	Voltage
MP130-24F	1.5	24 Vac
MP130-24F-10M	10	24 Vac
MP130-230F	1.5	230 Vac

Note: Actuators with 5 m and 10 m cable length are produced on request. Please note this increases lead time.

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MP130-24T / -230T

Motoric Actuators for Two Position Control
For VP228E/VP229E SmartX PIBCV, DN10...32



Product Description

MP130-24T and MP130-230T are 2-point three-wire actuators used with SmartX PIBCV DN 10...32 valves. The actuator can be used with fan coil units, induction units, small reheaters, recoolers and zone applications in which hot/cold water is the controlled medium. The actuator factory default setting is spindle fully retracted.

- normally open function for SmartX PIBCV

The setting can be changed between normally closed and normally open function (see "Wiring" part jumper setting).

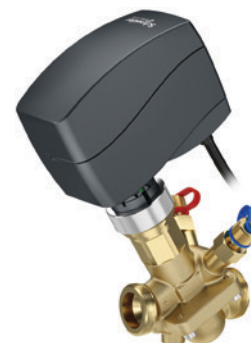
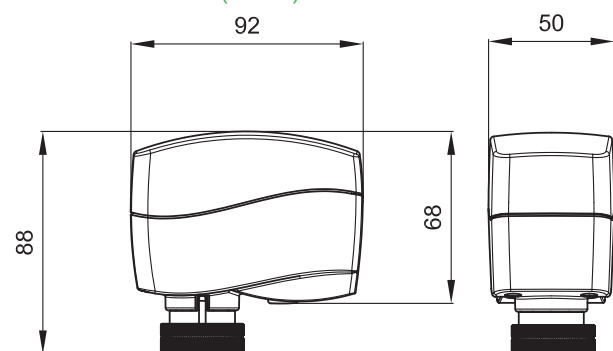
Specifications

Part Numbers	
24 Vac	MP130-24T
230 Vac	MP130-230T
Power supply	24 Vac, 230 Vac; +10...-15%
Power consumption	1 VA - 24 Vac; 8 VA - 230 Vac
Frequency	50 / 60 Hz
Close off force	200 N
Stroke	5.5 mm
Speed	12 s/mm
Max. medium temperature inside the pipe	130 °C
Ambient temperature	0 ... 55 °C
Storage and transport temperature	-40 ... +70 °C
Protection code	IP 42
Weight	0.3 kg
CE marking in accordance with standards	Low Voltage Directive 73/23/EEC, EMC Directive 2006/95/EEC: EN 60730-1, EN 60730-2-14

Features

- 2 point three-wire actuator
- Force switch-off at stem down position prevents overload of actuator and valve
- No tools required for mounting
- Maintenance-free lifetime
- Low-noise operation
- Supplied with 1.5 m cable

Dimensions (mm)



MP130 installs to SmartX PIBCV 10mm...32mm valves (VP228E and VP229E)