MV15B-24/MV15B-230



3 Points 24 Vac or 230 Vac Actuator for Valves

MV15B-24 and MV15B-230 are 3-point floating (increase/decrease) actuators for the control of two-way and three-way globe valves in:

- · heating systems
- air handling systems

It is easy to mount and connect the actuator. It can be mounted directly onto TAC's control valves, without any mounting kit.

For Satchwell valves a linkage is included (see PART NUMBERS on this page).

The working range of the actuator is adjusted automatically depending on the stroke of the valve by means of switches actuated by a limit torque mechanism.

The actuator is supplied either 24 V AC or 230 V AC.

SPECIFICATIONS

Tart harmons
Supply voltage 24 V AC ±10%, 50–60 Hz
230 V AC ±10%, 50–60 Hz
Power consumption
Transformer sizing
Running speed 0.75 mm/s (0.03 in/s)
Running time for 20 mm (0.78 in.) 27 s
Stroke
Thrust
Ambient temperature
Operation15 - +50 °C (5°F - 122°F)
Storage25 - +65 °C (-13°F - 149°F
Enclosure rating

Part numbers see the table on this page

Standards

Endianies
Emission EN 50081-1:1992
Immunity EN 50082-1:1992
Heat IEC-68-2-2
Humidity IEC-68-2-3
Cold
Material
Housing aluminium
Cover ABS plastic
Color black/red
Weight
Dimensions (mm) refer to the table on the next page
Optional auxiliary travel switch S2-MV15B
Type SPDT 10A (inductive) 3A (resistive)
Consoity
Capacity

SPECIFICATION REFERENCE

Designation	Explanation	Part Number
MV15B-24	Increase/Decrease (3 point floating) 24 Vac	880-0462-000
MV15B-230	Increase/Decrease (3 point floating) 230 Vac	880-0460-000
MV15B-24+L7SV	Increase/Decrease 24 Vac including linkage for Satchwell valves	880-0662-000
MV15B-230+L7SV	Increase/Decrease 230 Vac including linkage for Satchwell valves	880-0660-000



FUNCTION

The actuator

Actuators are fitted with an asynchronous bidirectional motor.

A torque limit device makes the actuators selfadjusting on valves with a different stroke.

Manual operation

Power off the actuator before using the manual override knob.

The knob has to be pushed while turning it.

Auxiliary Switches

An external auxiliary microswitches box is optionally available (order separately) and it has to be mounted as shown in fig.1.

It contains two switches and both can be registered to switch in any position on the stroke.

MOUNTING

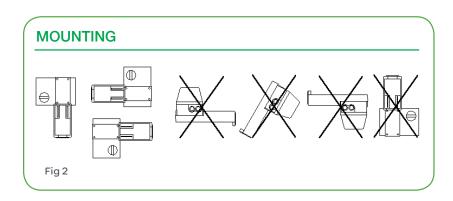
The actuator can be mounted in the positions shown in Fig. 2.

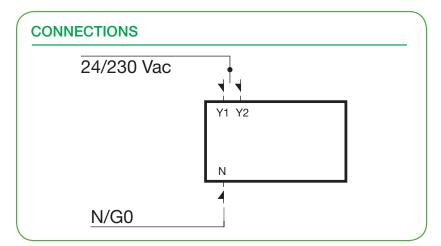
For fluids over 150°C avoid mounting the actuator in vertical position on the valve so as to avoid the direct exposure to heat sources.

For valve mounting, follow the assembly instruction inside the package.



Hot media hazard. Before removing actuator from valve or opening the valve, ensure that the valve control medium is isolated and relive the pressure. Work should only be carried out by a competent engineer.





Power supply control: N-Y1 Stem moves upwards, N-Y2 Stem moves downwards

MAINTENANCE

The actuator is maintenance-free.

ACCESSORIES

S2-MV15B	880-0469-000
Linkage Satchwell valves L7SV	880-0126-000

See data sheet "Valves and actuators Summary" (F-10-06)