MVL56F

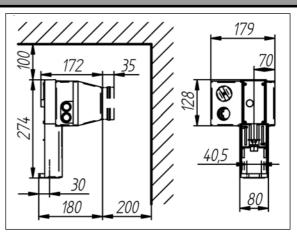
CE

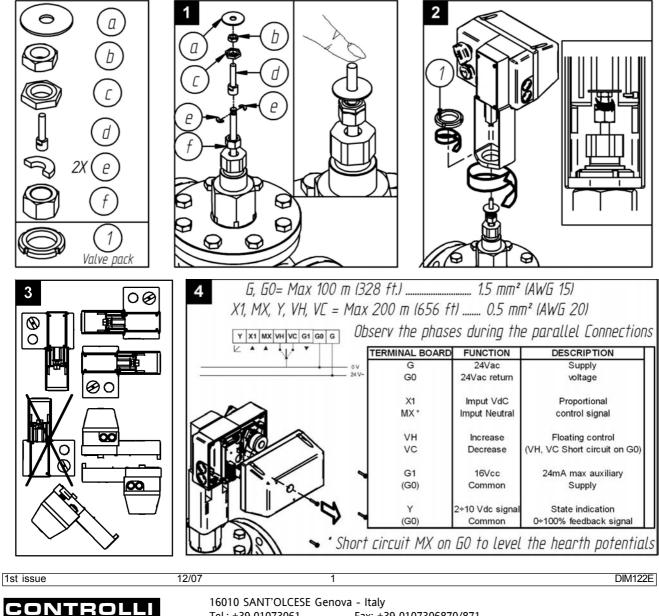
MOUNTING INSTRUCTIONS



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

To activate the manual override function, push and rotate the knob. Pull out again the knob to return to "AUTO" position.

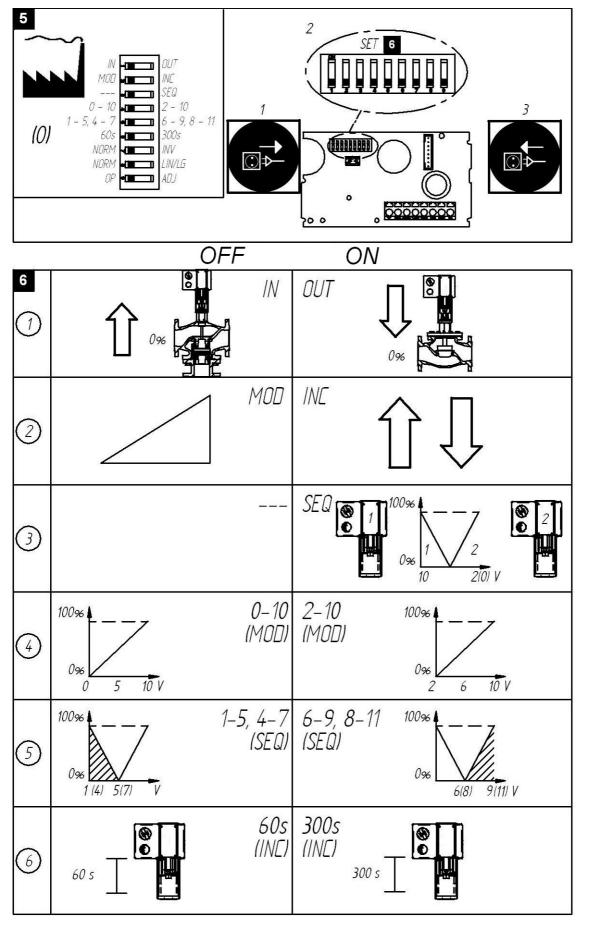


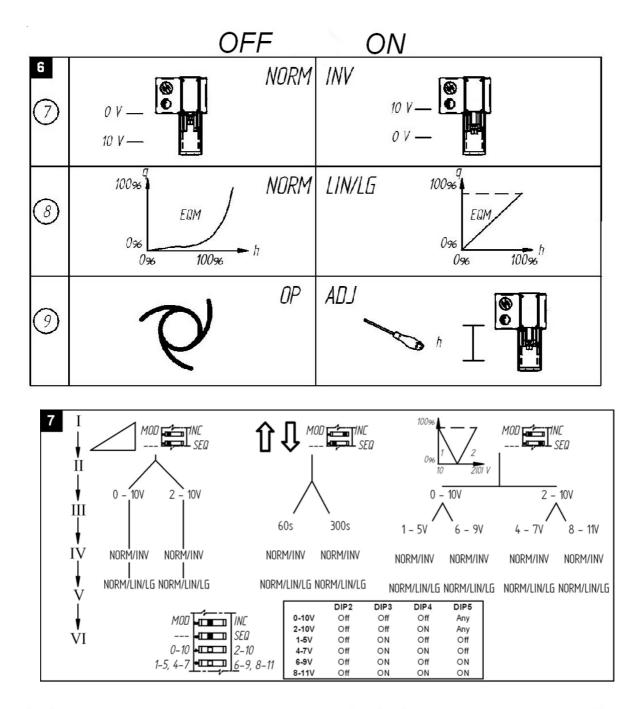


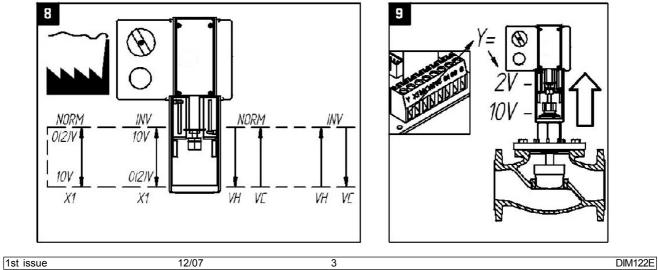
 Tel.: +39 01073061

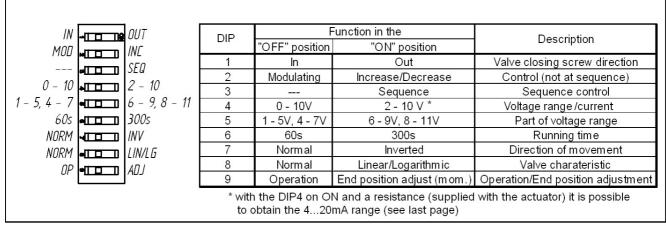
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There are nine switches in a row on the circuit board. On delivery ('Factory'), all switches are in the "OFF" position.

1 Valve Closing Screw Direction— IN / OUT

IN direction of movement is used when the spindle of the actuator moves up to close the valve.

OUT direction of movement is used when the spindle of the actuator moves down to close the valve.

2 Control signal—MOD / INC

MVL56F can either be controlled by a variable direct voltage, a so called modulating signal (MOD), or by an increase/decrease signal (INC).

3 Sequence or parallel control— ---/SEQ

With sequence (or parallel) control (SEQ), two actuators/valves can be controlled by only one control signal.

For each of these you can choose which part of the voltage range to use, the upper one, 6-9 V (8-11 V) or the lower one, 1-5 V (4-7 V).

If the switch NORM / INV is in the NORM position, the higher voltage corresponds to 100% flow and the lower one to 0%.

With NORM / INV in the INV position you will get the opposite function.

4 Voltage range-0-10 / 2-10

You can choose whether to use the control signal voltage range 0-10 V or 2-10 V.

5 Part of voltage range-0-5, 2-6 / 5-10. 6-10

You can choose which part of a voltage range to use, the lower one 1-5 V (4-7 V) or the upper one 6-9 V (8-11 V).

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Automatic control systems for: air conditioning/heating/industrial thermal process.

If the switch is in the NORM position, the higher voltage corresponds to 100% flow and the lower one to 0%. To achieve the opposite function, the switch should be put in its INV position.

6 Running time-60 s / 300 s

With increase/decrease control, you can choose a running time between 60 s or 300 s.

With modulating control, the running time is always 15 s / 20 s / 30 s.

7 Direction of movement— NORM / INV

When NORM is selected, the spindle of the actuator moves up when the control voltage decreases or if the actuator gets a decrease signal.

With the switch NORM / INV, the direction of movement can be changed.

8 Linearization—NORM/LIN/LG

The motorized valve characteristics can be modified. If you wish for the characteristics to be affected, the setting LIN/LG will make the characteristics of an equally modified percentage (EQM) valve almost linear.

On the other hand, with LIN/LG a motorized valve equipped with a linear valve will operate with "Quick open characteristics". This means that with a small control signal, the valve will be almost completely open.

Note! For the actuator to register new settings of the switches, the supply voltage must be cut, the settings done and then the power on or

the end position adjustment must be done again (see point 9).

Refer also to illustration on page 2.

(This does not apply to the switch OP/ADJ).

9 End position adjustment—OP / ADJ

This switch is only used to adjust the end positions when the actuator is commissioned.

With powered actuator, momentarily put the switch in the ON position. The actuator will automatically find the end positions of the valve.

At the end of the adjustment all the other dip switch settings (1 to 8) will be read again.

