



SPRING RETURN VALVES
(NORMALLY OPEN/NORMALLY CLOSED)

Series SZ actuators are suitable to operate 2 port ON/OFF valves, type ML/EML. The valve is opened/closed when the actuator is energised, and a return spring is fitted which returns the valve to its de-energised position.

INSTALLATION INSTRUCTIONS

For qualified persons only. Not to be left with user

INSTALLATION

- (1) Select location which is reasonably clean and has adequate access for fitting and wiring motor. Minimum clearance from wall to centre of valve body 45mm 1 3/4". Maximum temperature of water 93°C. Minimum 2°C. Ambient temperature must not exceed 52°C. Motor actuator must not be mounted underneath the valve body.
- (2) **Install valve as follows:-**
 - (A) Remove all protective materials from valve.
 - (B) Remove all foreign matter.
 - (C) Fit valve to pipework using the minimum quantity of joining materials. Make sure valve body is only gripped by the ribbed ends when installing. Do not cover valve with thermal insulation.
- (3) Flushing of system.

Before fitting the motor unit to the valve, the valve spindle must be turned to the position as indicated on the valve, and the complete system flushed out and drained to remove any foreign material in the water. The system should be filled with water and corrosion inhibitor added, if required.

Actuators with manual levers permit flushing with actuator fitted. Ensure manual lever is in normal use position after flushing.
- (4) Fit motor to valve as follows:-
 - (A) Fit actuator to valve ensuring tongue on valve spindle engages with slot in plastic coupling on motor.
 - (B) If installing to a new valve, use screws provided with the valve.
 - (C) If installing to an existing valve, retain the screws and use these to secure the actuator to the valve.

Caution - Do not overtighten the screws.

WARNING

Interference with sealed parts renders guarantee void.
'Class A' disconnection providing electrical isolation for all live parts behind the disconnection, must be incorporated in the fixed wiring. Valves are not suitable for use on mains water supply. The valve and actuator should be in an easily accessible position for any possible maintenance. It is recommended that valves and actuators be checked during regular annual heating maintenance.

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This product complies with the essential requirements of the following EC directives:
Electro-magnetic compatibility directive EMC 89/336/EEC (as amended by 91/263/EEC and 92/31/EEC)
Low voltage directive LVD 73/23/EEC; 93/68/EEC

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Artwork front sheet

Sheet 1 of 2

3 Off per A4 sheet double sided

See sheet 2 for back art work

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