



### SD SPRING RETURN AND (SDV UNISHARE VALVES)

Type SD series valve actuators are suitable to operate 3 port diverter and mid position spring return valves, type DT/EDT only.

They are fitted with a return spring which returns the valve to its de-energised condition.

#### 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 actuator. Minimum clearance from wall to centre of valve body 45mm (1.3/4"). Maximum temperature of water 93°C. Minimum temperature 2°C. Ambient temperature must not exceed 52°C. Actuator **must not** be mounted underneath 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 jointing materials. Make sure valve body is only gripped by the ribbed ends when installing. Do not cover valve with thermal insulation. Do not interrupt earth continuity of piping.
- (3) **Flushing of system:**

Before fitting actuator unit to the valve, the valve should be turned to the mid position and the complete system flushed out and drained to remove any foreign matter in the water. This may also be done once the actuator unit is fitted, using its manual lever (if fitted), although it is important to remember to return the lever manually to the NORMAL use position after flushing. The system should now be filled with water and corrosion inhibitor added if required.
- (4) **Fit actuator to valve as follows:**
  - (A) Fit actuator to valve ensuring tongue on valve spindle engages with slot in plastic coupling on actuator and **cable from actuator is to the PORT A side (central heating side) of the valve.**
  - (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 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 92/31EEC)  
Low voltage directive LVD 73/23/EEC; 93/68/EEC

# SD

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**Artwork front sheet Sheet 1 of 2**

3 Off per A4 sheet double sided

See sheet 2 for back artwork.

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