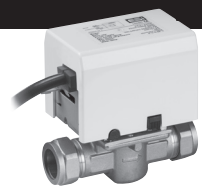
ESZV222L ESZV282L

2 Port Zone Valve, 22mm & 28mm User & Installation Instructions

- Electro-Magnetic Compatibility Directive 2004/108/EC
- Low Voltage Directive 2006/95/EEC
- EC Marking Directive 93/68/EEC

WARNING
Always isolate the AC mains supply before removing or refitting the actuator assembly. This accessory must be fitted by a competent person, and installation must comply with the guidance provided in the current editions of BS7671 (IEE wiring regulations) and part 'P' of the building regulations.



The ESZV222L & ESZV282L are easy-fit, with a simple clip on/off detachable actuator head. The actuator has been designed to fit directly onto the valve body used by the market leader, and similar typebodies, with the two supplied screws - making it a quick-fit direct replacement for most households.

Installation

1. Remove all protective materials from the valve.
2. Remove all foreign matter.
3. Remove the actuator from the valve body by first ensuring the manual override lever is in the raised manual position, and then depress the square black detach button located at the bottom of the actuator.
4. Fit valve to pipework using the minimum quantity of joining materials and **never use the actuator for leverage**. The valve must be installed with **the arrow in the direction of the flow**. Failure to do so will result in the water hammer and potential premature failure. Ensure the valve head is below the horizontal level of the pipework.
5. Before fitting the actuator, first ensure the manual override lever is in the manual position. Next line the 4mm flat spindle on the valve body to the identically sized slot on the actuator. When the actuator and valve are successfully coupled, the actuator mechanism will click into place.
6. If fitting actuator head onto the valve body used by the market leader (or similar type bodies),first ensure the AC Mains supply has been disconnected, remove the old cover and unscrew, remove and retain the two screws coupling the actuator to the body.
7. Remove the cover from the zone valve by first removing the two retaining screws. Ensure the manual override lever is in the manual position, then line the flat spindle on the valve body to the identically sized slot on the actuator. Once the actuator is firmly on the valve body, use the two supplied screws to clamp the actuator onto the valve. Replace the plastic cover ensuring to reinstate the two cover screws.

N.B. *The lever should normally be in 'AUTO' position, but can be moved to 'MAN OPEN' position for system drain down and filling purposes only.*

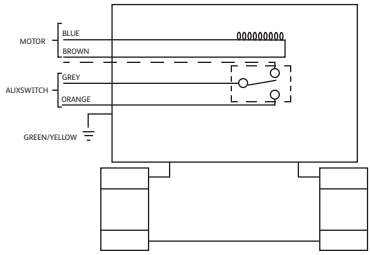
WARNING!
Do not cover valve with thermal insulation. Do not interrupt earth continuity of piping. Valves must be earthed and should be disconnected from the mains before changing motor heads.

Flushing of System

Once the valve is fitted in place and the manual override lever is still locked into the manual position, the complete system should be flushed out and drained to remove any foreign material in the water. The system can then be filled with water and corrosion inhibitor added, if required.

Wiring Connections

All wiring must comply with I.E.E regulations. Ensure mains supply to all controls is fused at no more than 3A. Mains isolation switch must have a contact separation of at least 3mm.



Commissioning

Once the system has been flushed, re-filled and vented, carry out the following to ensure correct operation of the valve:

1. Ensure the manual override is in the auto position.
2. Check programmer has power.
3. Check boiler is switched on and its thermostat set to maximum, a program has been selected, and both room and cylinder thermostats have been turned to maximum.
4. The boiler should fire, the pump should run and the valve should move to the fully open position.

2 Port Zone Valve, 22mm & 28mm	
Supply Voltage	220-240VAC, 50/60Hz
Power Consumption	5W
Fluid Temperature Min - Max	+5°C to +88°C
Operating Temperature	5°C to +50°C
Flow Direction	As per arrow on valve body
Auxiliary Switch Rating	250VAC 4A
Response Opening	16 seconds
Response Closing	7 seconds
Max. Static Pressure	8 bar
Max. Close-off Pressure	1 bar

WARNING: Interference with sealed parts renders the guarantee void.

In the interests of continuous product improvement we reserve the right to alter designs, specifications and materials without prior notice and cannot accept liability for errors.

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