

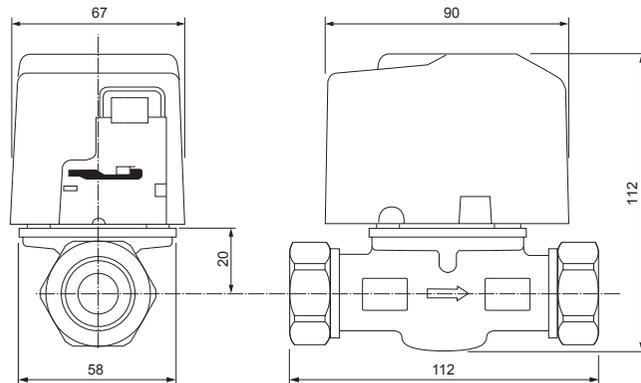
Working Parameters and Specifications

Supply Voltage:	220-240VAC, 50/60Hz
Power Consumption:	5W
System Fuse Rating:	3A Max.
Cable Length:	1m
Temperature Min-Max:	5°C - 88°C
Operating Temperature:	5°C - 50°C
Auxiliary Switch Rating:	250VAC 4A
Response Opening:	12 seconds
Response Closing:	5 seconds
Max. Static Pressure:	8 bar
Max. Close-off Pressure:	1 bar

Approvals

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

Dimensions



All dimensions are in mm



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Installation and Maintenance
Instructions

RELIANCE

2 Port Zone Valve



Reliance Worldwide Corporation (UK) Ltd reserves the right to make changes to the product which may affect the accuracy of information contained in this leaflet.

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Reliance Worldwide Corporation (UK) Ltd.

Reliance Worldwide Corporation (UK) Ltd are part of the Australian based group of companies collectively known as Reliance Worldwide Corporation, with the UK brand known as Reliance Water Controls.

Reliance Worldwide Corporation (UK) Ltd is a specialist in the design, distribution and technical support for temperature and flow controls.

With group offices and manufacturing plants throughout the world RWC offers a wealth of knowledge and expertise which is reflected throughout our products. Being part of many specialised trade associations and having our own UKAS accredited laboratory, makes us at the forefront of any new regulations or changes which impact the industry, and allows for continuous product development and innovation, within our specialised product area.

General Function

This 2 Port Zone Valve is easy-fit, with a simple clip on/off detachable actuator head and hard wired cable. The actuator has been designed to fit directly onto the valve body used by the market leader and similar type bodies, with the two supplied screws - making it a quick-fit direct replacement for most households.

Installation

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 (IET Wiring Regulations) and Part 'P' of the Building Regulations.

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 sunken 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 the 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.

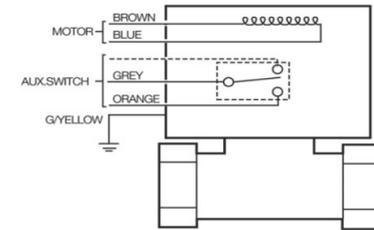
WARNING! Do not cover valve with thermal insulation. Do not interrupt earth continuity of piping. Valves must be earthed and should be disconnected from the mains before changing motor heads.

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 IET 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.

WARNING: Interference with sealed parts renders the guarantee void.