

OPTIMUM

INSTALLATION INSTRUCTIONS

2 PORT ZONE VALVE OP-2PORT & OP-2PORT28

The **OP-2PORT** and **OP-2PORT28** are 2 Port spring return valves with 22mm / 28mm compression fittings and an auxiliary switch. This is for general purpose flow control applications or central heating systems. When correctly wired with an appropriate room thermostat, cylinder thermostat and programmer the valve will control the water from the boiler to hot water and from the boiler to central heating.

SPECIFICATIONS

- Supply Voltage 220-240V AC 50 Hz
- Power consumption 6W
- Fluid temperature range: +5 to +88 °C
- Cable length one metre
- Max. Differential pressure for 22mm = 1 Bar
- Max. Static pressure 10.0 Bar
- Max. Ambient temperature 52 °C

INSTALLATION

Before fitting the valve, read through the plumbing and wiring instructions. When replacing the valve actuator only, set the Auto/Manual lever to the "Manual Open" position before removal. On the replacement actuator set the Auto/Manual lever to "Manual Open" position before fitting.

WIRING

All wiring should be carried out to IEE Regulations

- | | |
|----------------|------------------|
| Brown | - Live |
| Orange | - End switch out |
| Grey | - End switch in |
| Blue | - Neutral |
| Green & Yellow | - Earth |

PLUMBING

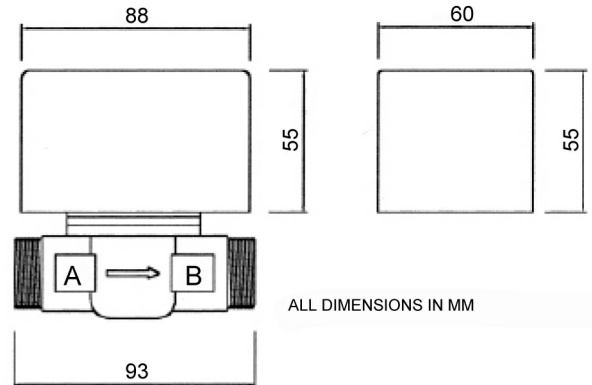
When connecting to pipe work do not use the actuator for leverage. Valves should be held by wrench flats on body. Place AUTO/MAN lever in the "MAN" position when filling, venting or draining the system.

TAKE CARE NOT TO OVER TIGHTEN

WARNING

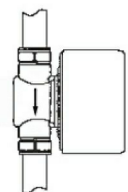
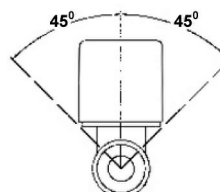
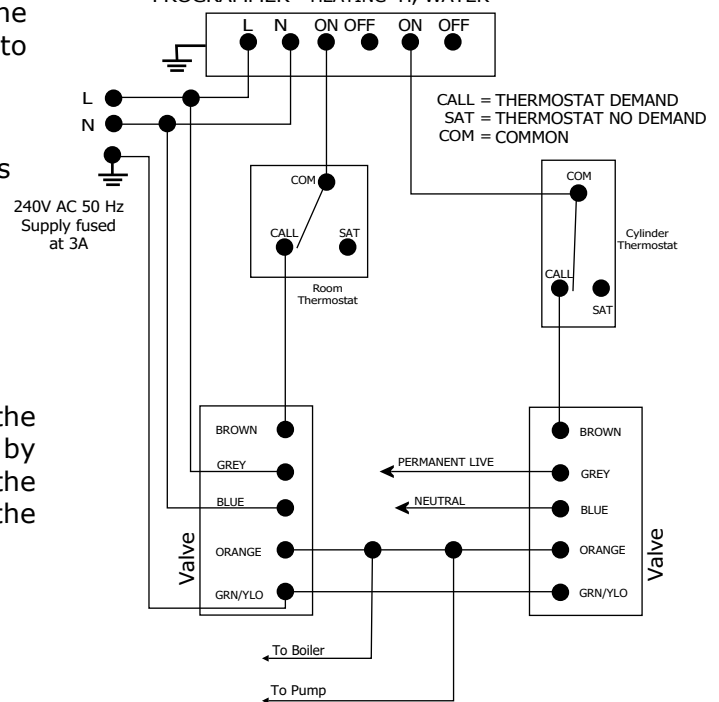
All controls must be earthed. All valves should have a means of disconnection from the electrical mains supply which incorporates a contact separation of at least 3mm in all poles.

All wiring must be carried out by a competent electrician.



ALL DIMENSIONS IN MM

Typical circuit using two zone valves
(OP-2PORT or OP-2PORT28)
Programmer, Room Thermostat & Cylinder Thermostat



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