



**ZONE 250205 2 Port, Quick Release  
Motorised Valve With Plug-in Lead**

- 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 ZONE 250205 has a detachable actuator head with a plug-in cable and has been designed for zone control in domestic and industrial heating systems.

The ZONE 250205 actuator has been developed to fit directly onto a Honeywell and Similar valve bodies, without the need of additional attachments.

**Install Valve as follows:**

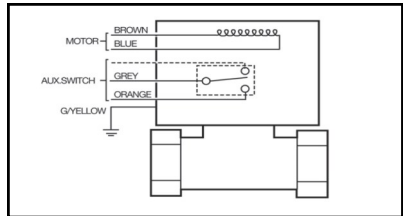
- Remove all protective materials from valve.
- Remove all foreign matter.
- Remove the plug-in lead from the actuator (if fitted)
- Remove the actuator from the valve body by first ensuring the manual override lever is in the raised manual position, and then depress the square black detach button located at bottom of the actuator.
- 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 water hammer and potential premature failure.
- 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.
- If fitting actuator onto a Honeywell style body, 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. Remove the cover from the ZONE 250205 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 retained screws to clamp the ZONE 250205 actuator onto the valve. Replace the plastic cover ensuring to re-instate the two cover screws.

**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:

- Ensure the manual override level is in the auto position
- Check programmer has power
- 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.
- The boiler should fire, the pump should run and the valve should move to the fully open position

**Specifications:**

<b>Model:</b>	ZONE 250205
<b>Size:</b>	22mm 2 Port
<b>Power supply:</b>	220-240V, 50/60Hz, 5W
<b>System fuse rating:</b>	3A maximum
<b>Auxiliary switch rating:</b>	3A 250VAC
<b>Water temp:</b>	5°C to 88°C
<b>Max. differential pressure:</b>	0.69 bar
<b>Cable length:</b>	1m

**WARNING**

Do not cover valve with thermal insulation.  
Do not interrupt earth continuity of piping

**WARNING**

Valves must be Earthed and should be disconnected from the mains before changing motor heads.