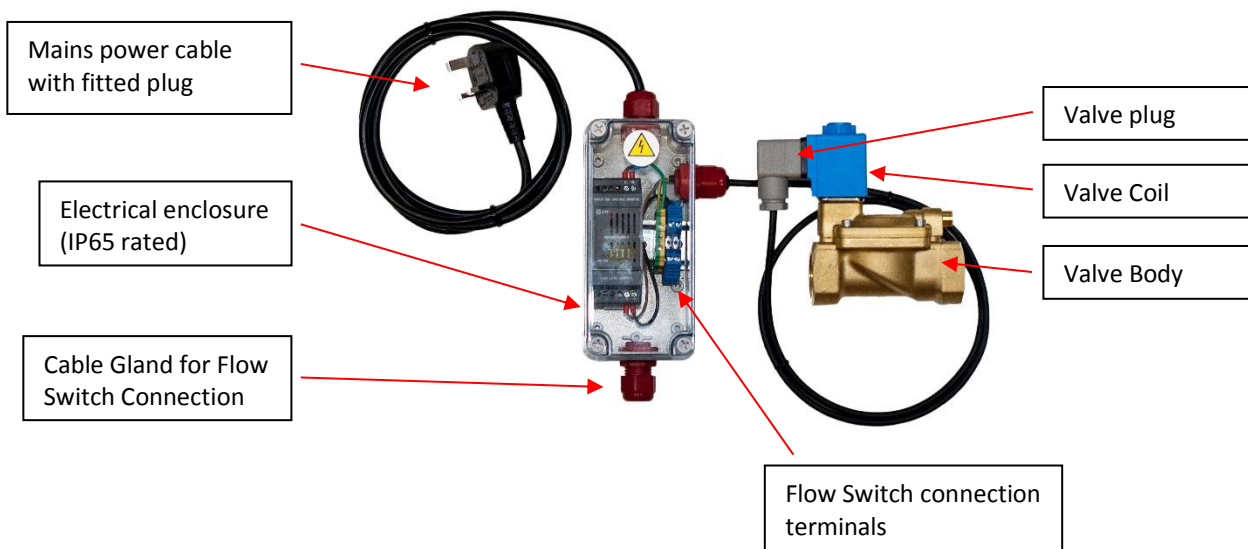


INSTALLATION & OPERATION INSTRUCTIONS

PRIORITY DEMAND VALVE (½" to 2")



GENERAL DESCRIPTION

Electrically-operated WRAS-approved valve designed to shut off the domestic water supply in the event of a fire sprinkler activation. Fail-safe as standard means that in the event of a power failure, the fire sprinkler supply will always be prioritised.

IP-rated electrical enclosure with 230VAC mains power supply, transformed to a safe 24VDC for valve coil (power supply unit includes LED power indicator).

*** SAFETY ***

THIS VALVE IS DESIGNED AND BUILT ONLY FOR FIRE SPRINKLER SYSTEMS.

ELECTRICITY CAN BE DANGEROUS, AND POTENTIALLY LETHAL.

DO NOT INSTALL this product unless you are satisfied that you have the knowledge and experience to do so. If you are NOT SURE, ASK.

DO NOT OPERATE until you have read and understand the contents of these instructions AND any other instructions which have been supplied.

The solenoid valve coil may become HOT during use – ensure that it is sited accordingly.

It is required that users employ safe working practices when using this equipment and your attention is drawn to the Health and Safety at Work Act 1974, the latest electrical regulations and any other current, pending or future safety requirements.

This document must be kept with the product for reference purposes. An electronic version is also available to download from our website if further copies are required.

The following safety signs and symbols may be used:



Read instructions before use



Automatic control – may start without warning



Dangerous voltage may be present



Danger – contents may be under pressure



Surfaces may be hot



General safety information

INSTALLATION - MECHANICAL

Before you start, CHECK for any damage in transit and advise the sender immediately if this is the case.

CHECK the power supply required, and your power source is safe and appropriate for use.

1. Remove all packing materials. Take care to install and operate the product in a clean, dry and cool environment (ambient temperature 5-40°C).
2. Install the valve, using screwed connections, in the pipe which supplies the domestic water, before any outlets. Unless you are certain the water supply is completely clean, install a strainer before the valve.
3. The valve can be mounted at any angle, but note the direction of flow marked on the valve body.
4. Remove the lid from the enclosure; knock out and carefully mark mounting holes in a position which:
 - a. Although the enclosure is IP-rated, is away from possible water spillage;
 - b. can be accessed for testing and maintenance;
 - c. is convenient for mains power supply, connection to the valve and connection to the flow switch.
5. Prior to mounting, double-check that all wiring can be completed.

INSTALLATION – ELECTRICAL & WIRING

6. VALVE: use the connected DIN plug to connect the appropriate cable to the solenoid valve; ensure that the retention screw is tight enough for the seal to protect from water ingress, but is not over-tight.
7. FLOW SWITCH: connect the flow switch using FP200-rated cable – use the blue terminal blocks in the enclosure, as marked in the photo above, and connect to the COM and NC terminals in the flow switch. An earth connection is also provided if required. Please refer to the diagrams at the end of these instructions.
8. MAINS POWER: connect the plug to a power outlet. If you prefer to wire directly into a fused spur then the plug can be removed, but you must ensure the unit is earthed.

Dangerous, potentially lethal voltages are present within this equipment; therefore, care should be taken to ensure that all electrical connections remain firm and that cables do not wear, become subject to physical damage nor allowed to be in contact with excessive heat or vibration etc.

COMMISSIONING AND TESTING

9. Prior to switching on power, open nearby tap to check that water does not flow.
10. Turn on power supply, and water should now flow.
11. Activate flow switch manually (using small lever on top when cover is removed) – water should not flow.
12. For testing purposes OR if you are installing the valve prior to installing/connecting the flow switch, then a jumper wire may be installed between the two blue terminals where the flow switch would be connected. THIS WIRE MUST BE LABELLED AS TEMPORARY AND MUST BE REMOVED ONCE FLOW SWITCH IS INSTALLED AND WIRED INTO THE CONTROL BOX.

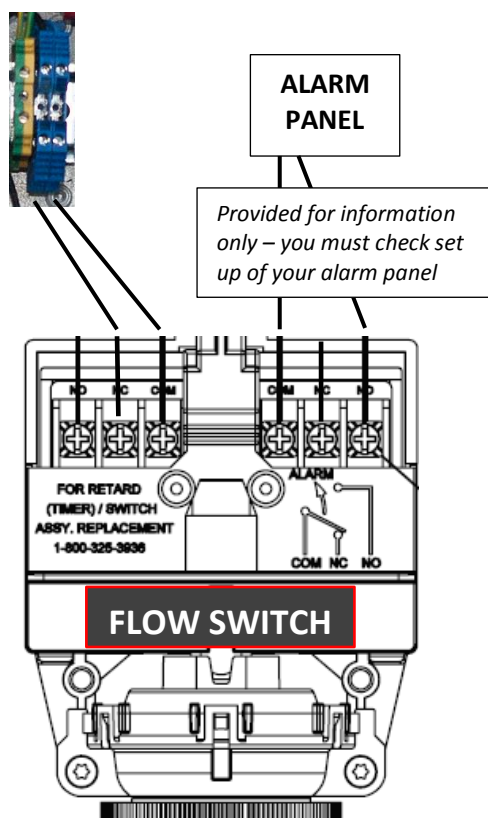
SPARE PARTS

Only use genuine spare parts or service kits purchased from SEP. The use of non-genuine spare parts may affect the reliability and service life of the product and will invalidate the warranty.

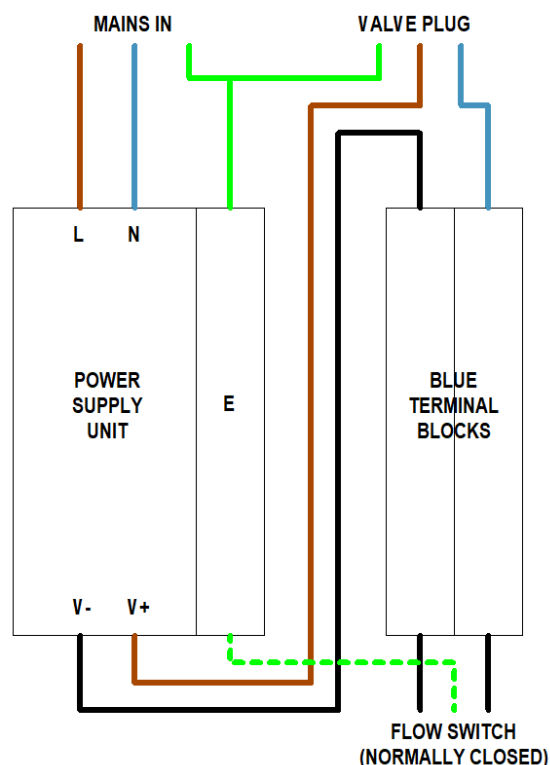
In the event of any difficulty understanding these instructions, or operating the unit, contact your supplier or the manufacturer immediately.

Alternatively, please contact Sale Engineering Products: +44 161 428 1180 or info@saleengineering.co.uk

FLOW SWITCH WIRING



WIRING DIAGRAM (for information)



Sale Engineering Products Ltd
Unit 2 Brookfield Industrial Estate
Brookfield Road
Cheadle, Cheshire, UK
SK8 2PN

T: +44 (0) 161 428 1180
E: info@saleengineering.co.uk
W: www.firesprinkler.co.uk



British Automatic Fire Sprinkler Association

bafsa

