

OPERATION AND INSTALLATION INSTRUCTIONS

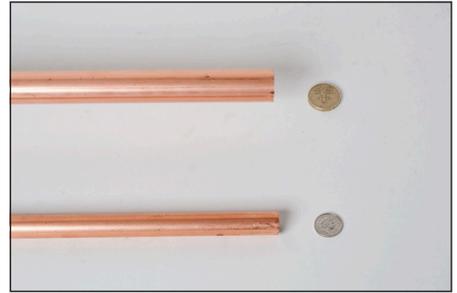
FLOODCHECK[®]AUTO



**+REMOTE SWITCH
NEW! WET PAD ALARM BUILT-IN**

STEP 1

Check and confirm the size of your pipes...
15mm or 22mm for UK and most of Europe.
½ inch or ¾ inch for USA.



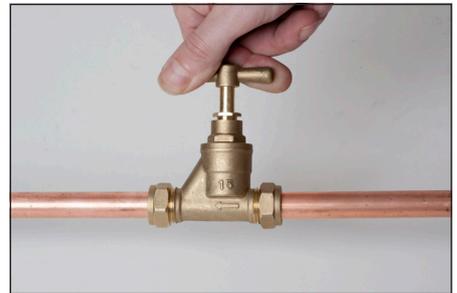
STEP 2

Open a cold water tap in your kitchen sink to ensure the water is on.



STEP 3

Locate and turn off your main stopcock.



STEP 4

Make sure the water supply has been successfully turned OFF! Allow time for the pipes to drain.



STEP 5

Check the direction of flow and that you have enough room to fit the valve. You need min 200mm for 15mm and 225mm for 22mm.



STEP 6

Mark the pipe 50mm (2 inches) from the stopcock. Now measure 6 inches (150mm) from the mark and remove this piece of pipe. Use a pipe cutter not a hacksaw.



STEP 7

Slacken off the nut on the dead side of the Stopcock, some water will drain out. Remove the pre-cut pipe.



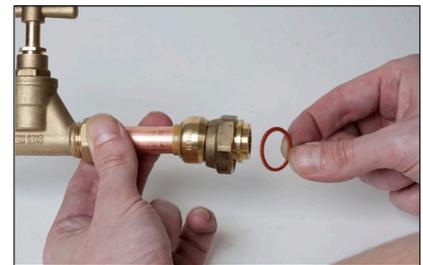
STEP 8

Fit the ring magnet over the pipe.



STEP 9

Push the pipe connectors onto the pipe, then fit the washer.



STEP 10

Screw the valve on the end of the connector. Take care not to cross thread!



STEP 11

Screw the other connector on the other end of the valve.

Important Earth Bonding link

If you have removed or disturbed the green earthing cable near your stopcock. Replace it with the Link and cable supplied in your kit. Full instructions are supplied. If in doubt contact a qualified electrician.



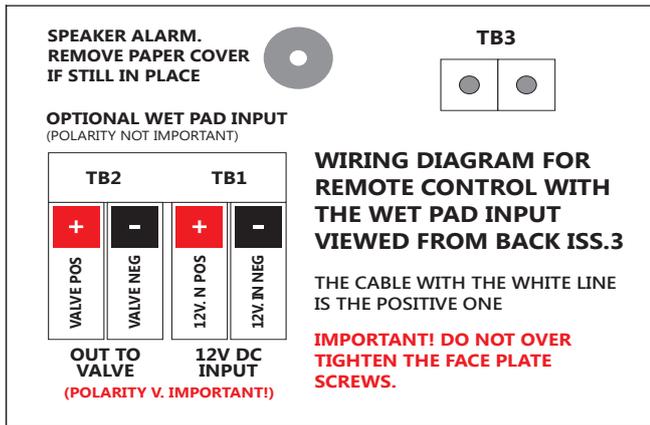
STEP 12

Push the cut pipe into the connector. Check all nuts are tight, turn the water back on partially and check for leaks. If all OK, turn supply on as required.



POWER CUTS?

If your power goes off you will not lose your water. Just your protection. In an extreme emergency you can replace the power jack plug with the emergency battery we supply. This will last about three days.



The Remote Switch is an optional accessory for the Auto Kit. It allows you to turn the water on or off, or bypass it electronically for 1 hour or vacate, at the push of a button. A lead with plugs are included but these can be removed and replaced with cable for neatness. We call this "HARD WIRED".

CONNECTING THE REMOTE SWITCH

Instead of plugging the small lead from the power supply into the side of the valve, plug it into the small socket on the front of the remote marked 12VDC. Now using the lead supplied plug the larger plug into the larger hole on the front of the remote marked OUT TO VALVE.

HARD WIRING

For a neater installation you wire the power supply and valve directly inside the Remote Switch. A four way terminal block is inside for this purpose. Unplug the power supply first, cut off the small jack plug about 2 feet from the end. Bare the cables back. You will see one of the cables has a white line on the side on the side of it. THIS CABLE IS THE POSITIVE CONNECTION.

Screw the two wires from the power supply into the terminal block marked 12VDC IN. The other lead to the OUT TO VALVE terminal. Make sure you observe the correct polarity. Wiring instructions are also included on the inside of the remote switch box. Use the small self adhesive cable clips to secure the cable to the side of the valve to stop it accidentally being dislodged.

NEW "WET PADS"

Our latest Remote Switch boxes now have the facility to connect to WET PADS. These are flat plastic credit sized plates with brass connectors on them. These are connected to a cable inside your remote. You can fit as many WET PADS as you like. One in every room if you prefer. WET PADS can be secured to the skirting using the velcro pad supplied or rested on the floor under the sink, bath, washing machine etc. Anywhere you might get a leak. If they get wet they will set off an alarm inside your Remote Switch. You should hear this if you are at home, but either way it will still turn off your water supply until you return. Please ensure that the WET PADS are dry when restoring system.



OPERATION

Once you have installed the valve, plug the low voltage power supply included in your kit, into a nearby power socket. Push the small jack plug into the socket on the side of the valve. The small POWER OK light should come on.

The Auto monitors your water supply, and will turn your water off automatically if:

1. The temperature where it is installed falls below 3 deg Celsius (Freeze).
2. There is a major rupture in the pipes/system and an excessive demand is detected (Excess flow).
3. A leak occurs, or you leave taps running and water flows continuously for longer than your selected time (Time out).
4. The property is vacant or no water is used at all for any 24 hour period (vacant 24hr non use).

Adjusting the time out and excess flow in the front of the case you will see three holes. They are left to right Excess Flow, Time Out, and Reset.



TIME OUT

The time out factory settings are 15 minutes. That means you can have any amount of water continuously for any 15 minute period.

Insert the small plastic trimmer supplied through the hole in the front into the small slot behind

You can set the TIME OUT period you suit your own household from 10 - 40 minutes. Turn the adjuster clockwise to increase the time and anti clockwise to decrease it. Two minutes before it reaches your time set, it will bleep at you. If you immediately turn the taps off for 1 second you will get another 15 minutes. If you ignore it, it will assume there could be a leak undetected and turn the water off.

If this happens just push the reset button and wait 25 seconds for the water to be restored.

BYEPASS OPTION:

NOTE: If you have the optional (but strongly recommended) remote control. There is also the optional hour by-pass mode for people that need lots of water for a longer period of time.

And Wet Pads can be fitted to give your extra protection to your property.

Be aware some large overhead shower heads and some old mains fed toilet cisterns draw a great deal of water quickly and you may need to fit flow reducers.

NOTE: The time out, excess pipe and 24hr non use function can be disabled at the factory if need be, please contact us for more details.

EXCESS FLOW

The factory setting for the excess flow are set at 15 litre per min. (LPM) You can change this to suit from 10-40 LPM insert the trimming tool supplied into the Excess flow hole and carefully rotate the control fully left (anti clockwise).

Now check your main stopcock is fully on, and open the kitchen sink cold water tap fully.

After 25 seconds the water should go off and the excess light on the front of the unit comes on and bleeps.

Now turn the control slightly right, then push the reset button, wait 25 seconds and the water will come back on.

If it stays on you have turned the control too far right (clockwise.) While the water is still running, turn the control back a little more and wait another 25 seconds. Repeat this until the water goes off. In the event of a serious rupture, the system will try to take the maximum flow possible over and above your setting. It will shut down after 20 seconds. This takes a few minutes to get just right to suit your water supply, and you may need to make few fine adjustments to suit in the first few days but once set it can stay there indefinitely.

24 HOUR (NON-USE)

If you leave the premises you should always turn your water off. Few people do!

The Auto unit has a facility to do this for you Automatically. If you do not use ANY WATER AT ALL FOR ANY 24 HOUR PERIOD it will shut your water off and it will remain off until you return.

The "TIME OUT" light will come on and will bleep at you, until you return and push the reset button.

(Remember to wait 24 seconds for the water to come back on)

NOTE: This function can be disabled at the factory if required, please contact us for more details.

TECHNICAL SPECIFICATION

- **Max working pressure 10 bar. Min operating pressure 2 bar.**
- **Working temperature 4-80 deg. C.**
- **Max flow controlled 40 lpm (uncontrolled 80 lpm)**
- **Min sensitivity 0.5 lpm**
- **WRAS Cert Nos. 0909307**
- **European Patent nos. EP 1078198**
- **Continuous flow monitoring (time out) from 10 - 40 minute (adjustable)**
- **Excess flow cut out 10 - 40 litres per minute (adjustable)**