

# System 50-30

## Fitting Instructions

### **Choose A Fitting Location**

Choose a fitting location as close as possible to where the rising cold water main enters the property, preferably before any junctions.

System 50-30 is suitable for all types of water piping, including plastic, lead, copper and steel up to 30mm (1 ¼ inch) diameter. A layer of paint around the pipe will not affect the Systems efficiency, but remove any lagging from the area in which the coils are to be fitted. A nearby 13A electrical socket will be required for the mains adaptor. Finally, make sure that the fitting location is always dry and not subject to high temperatures (i.e. not near to cookers, boilers, heaters etc.).

**Please note that installation in a bathroom or shower room is not recommended**

System 50 – 30 contain no moving parts and so can be mounted at any angle, and that coil leads may be routed around corners or through partitions, if necessary.

### **Fitting**

- (1) Fit the double-sided self-adhesive strips to the rear of the **SYSTEM** unit and carefully position it close to the water pipe, allow room for the coil and power plugs. Press the unit firmly against the wall for a few moments so that the adhesive strips take hold.
- (2) Take one of the coils cables and insert the red plug into the topmost red socket on the **SYSTEM** unit. Firmly attach the cable to the pipe using a cable tie and then wind the cable tightly around the pipe for a total of 14 turns, keeping the turns close together. Using a cable tie. Secure the free end of the coil to the pipe and insert the black plug into the topmost black socket on the **SYSTEM** unit.
- (3) Move along the pipe a distance, approximately equal to the length of the first coil and start to wind a second coil using the second cable. Ensure that the second coil's windings run in the same direction (either clockwise or anti clockwise) as you used for the first coil. Firmly secure the second coil using the cable ties and insert the red and black plugs into the other set of red and black sockets on the **SYSTEM** unit.
- (4) Take the mains adaptor Plug the adaptor jack plug into the **SYSTEM** unit and then plug the adaptor into 13A mains wall socket. Your **SYSTEM** should now be working.
- (5) Ensure that the Green POWER LED is glowing the Orange coil connection should also Glow this indicates that the cables are connected correctly. The coil light will only glow if a connection is made, if at any point during the operation of your system the coil connection LED stops glowing please re check the coil connections. The Red 'oscillator' LED in the centre should also be flashing. Each time a Red LED flashes the **SYSTEM** microcomputer is selecting a new unique, inductive energy frequency to transmit into your water system. Every **SYSTEM** is programmed to automatically cycle through hundreds of such frequencies to ensure that all water types are dealt with.
- (6) To obtain maximum benefit from your **SYSTEM** it should be left on all the time- even when you are not using water.