

- c. Shower heads will be descaled. When you first fit the device, you may find that the shower head becomes blocked with loose scale debris. If this happens (particularly with electric showers) simply remove the shower head and rinse out the debris.
- d. After several months of descaling you will find that your hot water system will gradually become more efficient. The water will heat up quicker and to a higher temperature, and you may even find that you get more hot water at a higher pressure depending how severely scaled up the system was. Eventually you should be able to adjust the water temperature down and make considerable energy savings over the year.

### IMPORTANT NOTE:

**Do not expect your kettle to stay totally scale free.** The **CalTronic** electronic water conditioner relies on water flow to prevent scale formation. Since there is no water flow in a kettle, soft scale will still form. The only way of preventing formation in a kettle is by using certain types of water filters. After boiling the kettle, always remove any unwanted water and refill with fresh water. Leaving the kettle standing with freshly treated water will have a descaling effect on the kettle. Any scale that does form in the kettle will be soft and can be easily brushed away without the use of descaling products.

REMEMBER  
 don't guess...  
 ASK!

Parts are available from your local stockist. Service contracts are available on request from Calmag.

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# electronic Scale Inhibitor

### HOW CALTRONIC WORKS

Plugged into the main electrical 230 volt supply the **CalTronic** draws power to the main control unit where it is passed through a 12 volt transformer and out to the aerial wires, wound around the pipework.

These ariel wires transmit variable radio frequency waves between them creating an electrical pulse in the water.

The variable pulse flows through the water and induces a single polarity, the calcium and magnesium particles in the water take on the same polarity, therefore as like poles repel, prevents these particles crystallising together to form a hard limescale.

The main **CalTronic** will not only prevent further hard water limescale build up, but also reduce and finally clear all existing hard water limescale build up already present in your system or plumbed in appliances.

Cal Tronic™

# CalTronic™

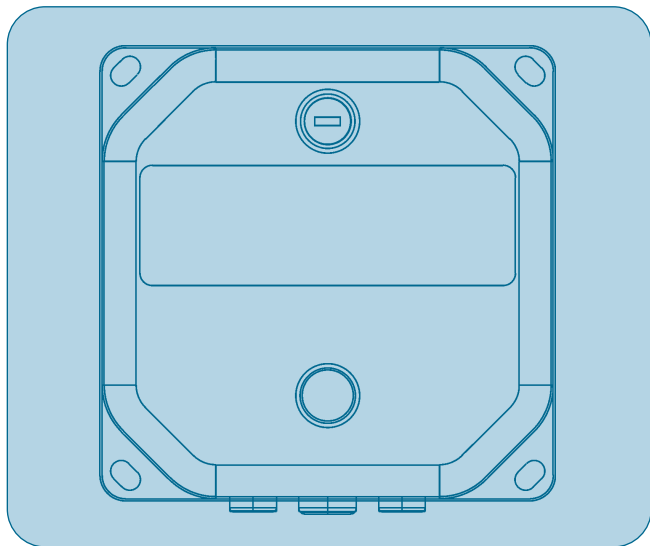
## SPECIFICATION

Height (mm):	100mm.
Width (mm):	100mm.
Depth (mm):	40mm.
Colour/material:	Nickel plated polypropylene.
Maximum working pressure:	N/A.
Tested to:	N/A.
Maximum temperature:	65°C.
Maximum flow rate:	3 L/Sec (40 GPM).
Electrical supply:	5 amp fuse built in to 240V - 50hz unit with a standard sealed plug 3 pin socket, on 2 metre length of 2 core mains lead.

# CalTronic™

## INCLUDES

- CalTronic Control Unit.
- 2 x two metre lengths of single cable fixed (antennae aerials).
- 4 Screws (to mount the unit to a suitable fixture).
- 4 Cable ties (to secure signal cable when coiled).
- Lifetime Guarantee registration card.



# CalTronic™

## INSTALLATION

1. CalTronic should be installed on the incoming mains supply (close to an electrical supply) so as to give maximum protection to all appliances throughout the household. The conditioning effect will work both with direction of flow and against, helping to overcome any installation difficulties.

CalTronic will work on any material including lead, also plastic pipework, which is normally not associated with limescale, by fully winding each ariel wire around the pipework in a tightly coiled fashion (approximately 10 turns).

2. Best results have proved to be from two ariel wires being wound around non interrupted pipework with the ends being connected together to complete the circuit.

CalTronic can be fitted on both hot and cold water pipework, horizontally, vertically or diagonal with clockwise or anticlockwise winding and will work on 15mm, 22mm, 28mm, 35mm and 42mm pipework.

CalTronic should be attached to a suitable fixture within a reasonable distance of the selected pipework.

# CalTronic™

## OPERATION

Once fitted to a secure surface with the signal coil correctly fitted the CalTronic electronic water conditioning can be connected to the power supply. Once connected to the power supply, the device can be left on permanently to continually protect your home (it costs less than 50p per month to run). The light shows that the device is functioning correctly. If the light does not illuminate check the fuse in the front of the CalTronic and check the signal coil is correctly connected to the device.

### What will the CalTronic electronic water conditioner do?

- a. Prevent any further build up of hard scale.
- b. Remove any scale already in your hot water system.
- c. Soften scale usually found around taps and in sinks and toilets.

### It will not:

- a. Give you softened water. This can only be achieved using an ion exchange water softener (i.e. Calmag CalSoft).

### You should notice the following:

- a. Any scale that has formed around taps, sinks etc, will begin to soften with regular contact with the treated water. This soft scale will be easier to remove than the normal hard scale.
- b. Surfaces that are frequently in contact with water will become easier to clean.