

#### 4. OPERATION

DO NOT SWITCH ON THE HEATER UNTIL IT IS FILLED WITH WATER. It is full when water runs continuously from the spout. Switch on the electrical supply and adjust the temperature control to the required level. The water will be heated accordingly.

NB. During the heating cycle expansion will take place and water will drip from the spout. Dripping will cease when the operating temperature has been reached, ensure that the spout is positioned over the basin during the heating cycle. Hot water is drawn off by opening the control valve fitted to the cold water inlet - coloured blue - this allows cold water to enter the vessel displacing the stored hot water through the spout.

#### 5. SERVICING

It is recommended that servicing is carried out by a qualified electrician or plumber. BEFORE SERVICING SHUT OFF THE INCOMING WATER SUPPLY AND DISCONNECT THE MAINS ELECTRICAL SUPPLY. The water heater can be drained through the cold inlet connection whilst in the original position.

To remove outer case prise off the temperature control knob and release the screw located beneath. Remove the four securing screws at the top and bottom of the unit and lift off the outer case.

#### 6. SAFETY WARNING

The water heater must not be used if suspected of being frozen. If water ceases to flow switch off the electricity supply immediately at the isolating switch. If the unit is to be serviced or drained, disconnect the electricity supply and the incoming water BEFORE commencing the operation.

#### 7. GUARANTEE

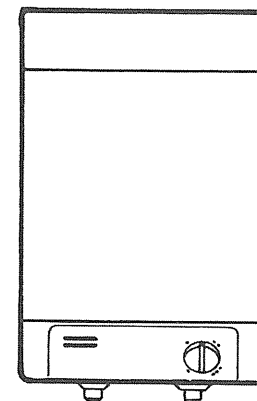
Goods are guaranteed for one year against faulty design, materials or workmanship having been properly installed and operated in accordance with these instructions. The Company has the option to replace or repair an entire product or component. The Company shall not be liable for any consequential loss or damage howsoever caused. It shall be the duty of the customer to insure against such consequential loss or damage.

The guarantee does not extend to the consequences of limescale deposits or frost damage over which the manufacturer has no control and for which the user is advised to take appropriate precautions. This guarantee does not affect the statutory rights of the consumer.

## ELECTRIC WATER HEATERS

# ZIP Contract

### POINT OF USE WATER HEATER



### FITTING & USER INSTRUCTIONS (To be left with user after installation)

C50 & C100		MODEL	C50	C100
		Capacity	5 litres	10 litres
		Nominal electrical loading	230v/2kw	230v/2kw
		Heat loss kW/24hrs	0.28kW	0.35kW
		Weight - empty	3.5 kg	4.0kg
		Weight - full	8.5 kg	14.0 kg
		Recovery time mins/+50°C	9 mins	18 mins
		Dimensions A (mm)	255	310
		B (mm)	390	455
		C (mm)	215	265
		D (mm)	265	355
		Water connections	15mm	15mm
		Installation	OVERBASIN	OVERBASIN

ZIP HEATERS (UK) LTD.

reserve the right to introduce modifications and improve product specifications without prior notice.

**ZIP HEATERS (UK) LTD**

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These Fitting & User Instructions refer to the following models:

MODEL	CAPACITY	LOADING	INSTALLATION
C50	5 litre	2kW	OVERBASIN
C100	10 litre	2kW	OVERBASIN

The Zip Contract is a SINGLE point-of-use open outlet water heater. Being a displacement type water heater the hot water flow is controlled by the rate at which cold water enters the vessel.

It can be connected either to the cold water main or fed from an overhead cold water cistern (minimum head 3 metres). Being fully automatic the Contract may be left switched on under control of the thermostat.

The stored hot water is delivered from an open outlet spout (supplied) that is permanently open to atmosphere which allows the expansion of water that occurs during the heating cycle, to be safely discharged.

During the heating cycle drips will form and fall from the delivery spout and these will cease when the cycle has been completed and the stored water temperature has reached the level set by the user, the higher the temperature selected the greater the rate of expansion. Overtightening of the inlet water control valve will not prevent the drips that occur, but may cause damage to the valve.

### Temperature Control

The operating temperature range is 35-80°C. To protect the water heater against frost the temperature control setting may be positioned at \* when a stored water temperature of 5°C will be maintained. NOTE - the protection does not extend to connecting pipework or fittings. The economy setting II will maintain the stored water temperature at approximately 60°C. At the II setting the temperature control locates into a set position and slight resistance will be felt when rotating the temperature control beyond this setting. This is a safety measure to ensure that higher temperatures are deliberately selected.

### Safety Cut-out

In the event of a malfunction that leads to an overtemperature situation a thermal fuse will automatically cut off the electrical supply to the element. When the fault has been corrected by a qualified electrician the thermal fuse has to be replaced.

### Installation

It is recommended that the installation is carried out by a qualified electrician and plumber. AFTER INSTALLATION THESE INSTRUCTIONS ARE TO BE RETAINED BY THE USER FOR FUTURE REFERENCE.

### IMPORTANT NOTE TO THE INSTALLER:

Ensure that these instructions are read and understood prior to installation. This water heater can be connected either to the cold water main or fed from a cold water cistern (minimum head 3 metres).

N.B. THE HOT WATER SHOULD BE DELIVERED FROM THE OPEN OUTLET SPOUT SUPPLIED OR A ZIP APPROVED OPEN OUTLET TAP FITTING THAT REMAINS PERMANENTLY OPEN TO ALLOW FOR EXPANSION THAT OCCURS DURING HEATING CYCLE. UNDER NO CIRCUMSTANCES SHOULD THE SPOUT OR OUTLET BE CONNECTED TO A TAP WHICH IS CAPABLE OF BEING CLOSED.

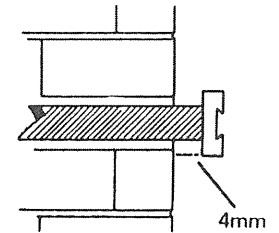
### 1. WALL MOUNTING (Fig. 1)

The unit is supported by screws fixed into the wall. These locate into keyhole slots (nominal centres 140mm apart) in the back casing.

IT IS NOT NECESSARY TO REMOVE THE CASING TO MOUNT THE WATER HEATER ON THE WALL.

Before drilling the wall take care that the selected position avoids any pipework or electrical supply. Allow 4mm clearance between the screwhead and the wall for locating in the back casing.

Always ensure that the fixings and wall are strong enough to support the water heater when full.



(Fig. 1)

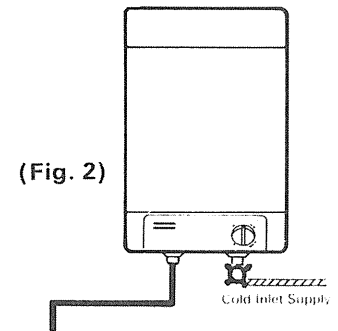
### 2. PIPEWORK CONNECTIONS

#### OVERBASIN INSTALLATION (Fig. 2)

The inlet control valve supplied incorporates compression fittings suitable for fitting to 15mm copper pipe and the inlet connection (coloured blue) to the water heater.

Fit the control valve to the cold water supply ensuring that the water flows in the direction of the arrow stamped on the valve. Do not over tighten the compression joints but ensure these are leak free. Fit the outlet spout supplied to the red coloured connection.

Overbasin installations to be positioned to allow the open outlet spout to swing over the basin. A minimum clearance of 270mm is required on the underside to allow for the removal of the element plate assembly and servicing.

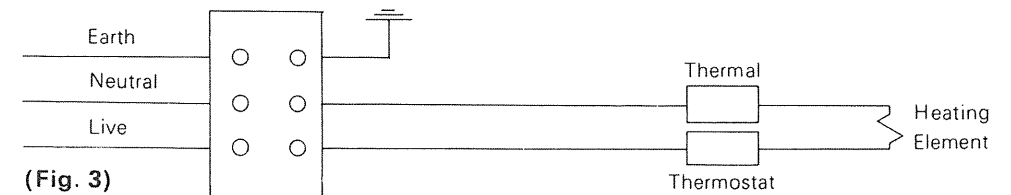


(Fig. 2)

### 3. ELECTRICAL INSTALLATION & WIRING (Fig. 3)

The electrical installation including earthing and cross bonding should be carried out to comply with the current edition of IEE Regulations and local authority requirements.

Connection should be made using either a fused double pole isolating switch on a dedicated circuit or a fused double pole switched spur. Contact separation should be at least 3mm in each pole.



(Fig. 3)

**WARNING: SWITCH OFF THE MAINS ELECTRICAL SUPPLY BEFORE CARRYING OUT ANY WORK INVOLVING A LIVE CIRCUIT. 230v AC SUPPLY ONLY. THIS APPLIANCE MUST BE EARTHED.**

To connect the supply cable first remove the temperature control knob from the spindle and release the screw located beneath and then remove the outer cover by releasing the four cover screws. The electrical connections are made to the terminal block. The supply cable enters the casing through a cable clamp; ensure that the cable is firmly clamped before replacing the outer case. The supply cable should have a nominal cross section of not less than 1.5 mm<sup>2</sup>.