

These instructions should be read in full before commencing the installation.
We recommend that the installation should only be carried out by a suitably qualified person.

The Redring WS7 is an open outlet, thermal storage water heater for use with Redring recommended fittings for one outlet only. It operates on the displacement principle i.e.; when cold water is admitted into the bottom of the tank, hot water flows out through the outlet. There are two models: 3kW, which ensures rapid reheating of the water, and a 1kW unit to suit special electrical requirements.

Fixing

The wall bracket should be securely fixed in position (see diagram 1). The heater is then hung on the wall bracket. Further security can be obtained by marking the position of the extra fixing holes (see diagram 1) and applying appropriate wall fixings to these positions.

When the unit is used above the sink with the cold inlet tap and spout supplied, it is recommended that these extra fixing positions be used. The bottom of the heater should be approximately 350mm above the top of the sink.

The outlet should be at least 13mm above the maximum possible water level for any appliance that is to be filled from the heater.

Water Connection

(See diagram 4 for suggested installation plan)

Oversink (Diagram 2a)

When using the tap and spout as supplied, the cold water connection is made directly to the 15mm compressions fitting at the rear of the cold inlet tap.

Ensure that the water flow is in line with the flow direction arrow moulded on the cold inlet tap.

Undersink (Diagram 2b)

If the unit is to be mounted below sink level, it should be connected to the special open outlet Monoblock Mixer Tap recommended by Redring Xpelair Group Limited (see page 3).

The economic performance of the heater will be enhanced by lagging the hot water pipe from the heater to the outlet.

Oversink and Undersink Installation

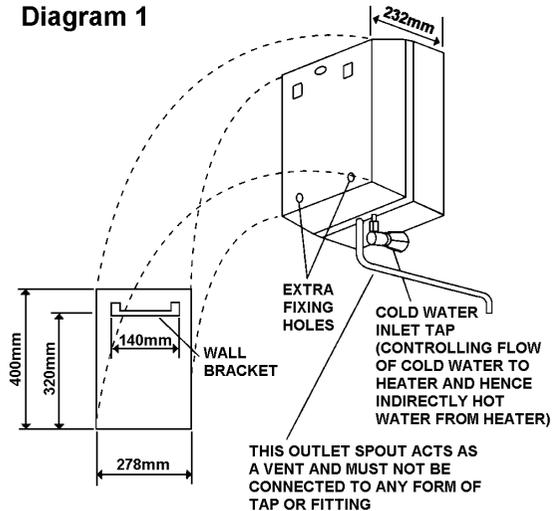
Before final assembly of the tap the appropriate restrictor insert must be selected and fitted into the end of the cold inlet pipe on the heater (see Table A). The correct insert will ensure that the flow rate of water through the heater is at an optimum to prevent undue mixing of the incoming cold water with the stored hot water, as well as avoiding any unnecessary pressure within the tank.

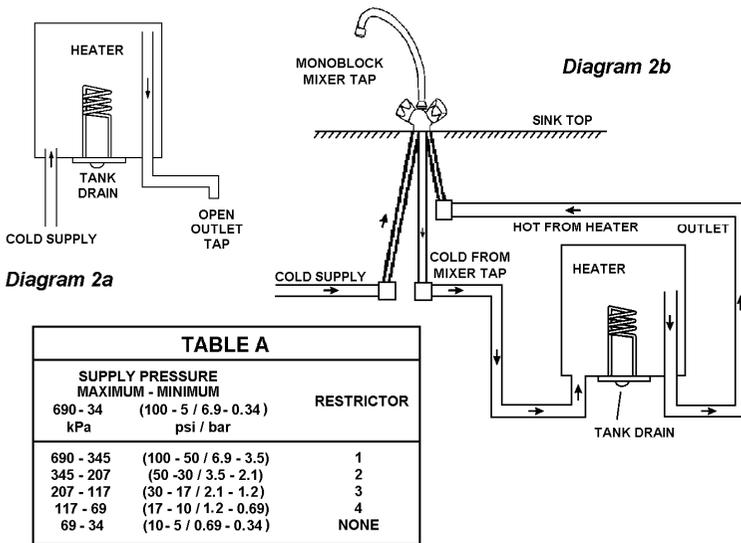
Electrical Connection

The installation must be in accordance with the current BS.7671 (IEE Wiring Regulations) and/or local regulations, and "Part P" of the Building Regulations.

1. The heater is suitable for 240/230V single phase A.C supply.
2. The live (brown) and neutral (blue) wires must be connected to the designated positions in the terminal block and the earth (green/yellow) to the earth ⏏ position.
3. **WARNING: THIS APPLIANCE MUST BE EARTHED**
4. The mains cable should be prepared as shown (see diagram 3)
5. A means for disconnection in all poles must be incorporated in the fixed wiring in accordance with the wiring rules.
6. The cable should be heat resisting 3-Core flexible PVC of 0.75mm² for the 1kW model and 1.25mm² minimum for the 3kW model.
7. **NOTE – THE APPLIANCE MUST BE FILLED WITH WATER BEFORE POWER IS SWITCHED ON.**

Diagram 1





Usage

If the heater is used regularly it is recommended that it is left on at all times.

The thick insulation ensures economic running costs.

Allow the heater to fill with water before switching on the electricity.

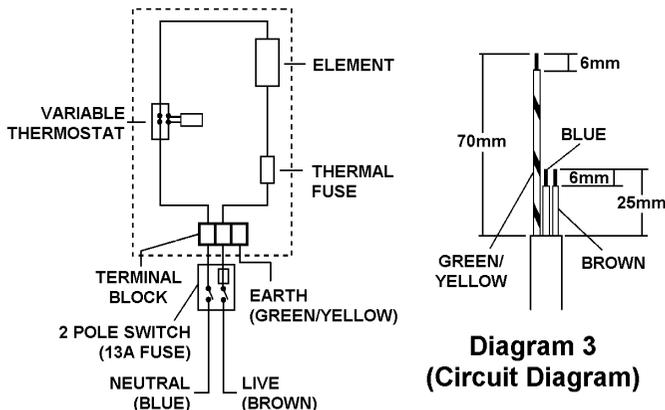
This will avoid the heating element becoming too hot, causing the one-shot safety thermal fuse to operate.

The four settings indicated by the thermostat are: -

- III This gives very hot water, which can be mixed with cold water to produce quantities of usable water greater than the actual capacity of the heater.
- II This setting will deliver, direct water suitable for washing up.
- I This setting will deliver, direct, water suitable for hand washing.
- This setting will maintain the water in the heater just above freezing point if the heater is to be left unattended whilst subject to freezing conditions. The electricity must be left on for this facility.

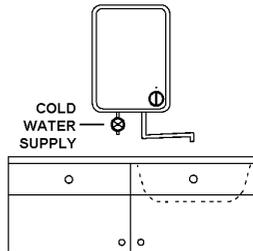
Water expands when heated, thus during the initial heating of cold water admitted to the heater, drips from the outlet spout may occur.

If it is required that the adjustments of the thermostat is not available to the users of the heater, then after first establishing that the temperature is as required, the knob may be removed and the blanking grommet (supplied free with heater) inserted in the hole. This grommet is a relatively loose fit, and can be made more secure by the use of suitable silicone sealant or PTFE tape etc. (not supplied).

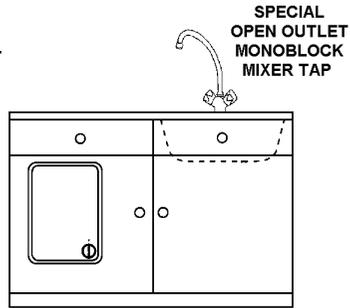


Suggested Installation Plan

Oversink



Undersink USING SPECIAL OPEN OUTLET MONOBLOCK MIXER TAP



(See Diagram 2b for layout using recommended "Monoblock Mixer Tap")

Diagram 4

Draining the Tank

If it is required to drain the tank, this can be effected by undoing the screw in the base plate of the heater (see "Tank Drain" diagram 2), and catching the water in an appropriate vessel.

The heater must be disconnected from the electrical supply before commencing this operation.

If the unit fails to heat water

1. Check that the mains fuses are not blown and that the mains supply is switched is switched on.
2. Check that the cold water supply is on.
3. Check that the outlet has not been blocked in any way.

If the fault persists: -

Contact the dealer from whom you purchased the appliance or the installation engineer.

You can also call the Technical Advisory Helpline on **(RING) 0344 879 3588**

Installation Engineer Note:

The most likely reason for no heated water is an open circuit thermal fuse. See label on front insulation for details.

This can be caused at initial commissioning if the heating element is energized with no water in the tank.

Alternatively, it may be due to a back siphonage in the cold water supply caused by a break or disconnection.

If you feel that your installation may suffer from a water failure, we recommend the fitting of a non-return water check valve.

Redring After Sales Service

We offer a technical advisory service on the telephone to contractors and other customers with problems in the field.

RING 0344 879 3588

Remember to quote the exact type of unit, as written on the unit front and on this leaflet.

It may also be of use to have a note of the model and serial number as stated on the underside of the unit.

Recommended Accessories

Oversink Accessories

Swivel Arm (450mm) Catalogue No. 84-780404

Swivel Arm (600mm) Catalogue No. 84-780405

Monoblock Mixer Catalogue No. 84-780408

Spare parts/accessories can be supplied from Redring Sales Hotline (RING) 0344 879 3588

THIS APPLIANCE CAN BE USED BY CHILDREN AGED FROM 8 YEARS AND ABOVE AND PERSONS WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE IF THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE IN A SAFE WAY AND UNDERSTAND THE HAZARDS INVOLVED.

CHILDREN SHALL NOT PLAY WITH THE APPLIANCE.

CLEANING AND USER MAINTENANCE SHALL NOT BE MADE BY CHILDREN.

UK Only

What does a Redring warranty cover?

Redring products deliver reliable source for normal, household use in domestic settings. All Redring products are individually tested before leaving the factory. If you are a consumer and you experience a problem with your Redring product, which is found to be defective due to faulty materials or workmanship within the warranty period, this Redring warranty will cover repair or - at the discretion of Redring - replacement with a functionally equivalent Redring product. The Redring warranty period is two calendar years from the date of purchase of your Redring product, or the date of delivery of the product, if later. The Redring warranty is conditional upon you providing the original purchase receipt as proof of purchase. Please therefore retain your receipt as proof of purchase.

If you do experience a problem with your Redring product please call the helpline on +44 [0]344 879 3588 or at the address below.

We will need details of your Redring product, and a description of the fault which has occurred. Once we receive your information and proof of purchase we will contact you to make necessary arrangements.

Customers outside UK - see international below.

If your Redring product is not covered by this Redring warranty there may be a charge to repair your product. However, we will contact you for agreement to any charges before any chargeable service call is carried out.

What is not covered by a Redring warranty?

The Redring warranty does not cover any of the following:

Any fault or damage to your Redring product due to faulty materials or workmanship occurring outside the two-year warranty period.

Any fault or damage occurring to any pre-owned Redring product or to any other equipment or property.

Accidental damage to your Redring product or damage to your Redring product from an external source (for example, transit, weather, electrical outages or power surges).

Fault or damage to your Redring product which is:

Not due to faulty materials or workmanship or which is due to circumstances outside Redring's control.

Caused by use of your Redring product for anything other than normal domestic household purposes in the country where it was purchased.

Caused by any misuse, abuse or negligent use of the Redring product, including but not limited to any failure to use it in accordance with the Operating Instructions supplied with the product.

Caused by any failure to assemble, install, clean and maintain your Redring product in accordance with the Operating Instructions supplied with the product unless this was carried out by Redring or its authorised dealers.

Caused by repairs or alterations to your Redring product not carried out by Redring service personnel or its authorised dealer(s).

Caused by the use of any consumables or spare parts for your Redring product which are not Redring specified.

Terms and Conditions

The Redring warranty is valid for Redring from the date of purchase of your Redring product from a recognised retailer in the country of purchase and use, or the date of delivery of the product if later, always provided the original receipt has been retained and is produced as proof of purchase.

You must provide to Redring or its authorised agents on request the original receipt as proof of purchase and - if required by Redring - proof of delivery. If you are unable to provide the documentation, you will be required to pay for any work required.

Any repair work under the Redring warranty will be carried out by Redring or its authorised dealer(s) and any parts that are replaced will become the property of Redring. Any repairs performed under the Redring warranty will not extend the warranty period.

Any replacement of your Redring product by Redring during the warranty period will start the two-year warranty period afresh from the date of delivery of the replacement Redring product to you.

The Redring warranty does not entitle you to recovery of any indirect or consequential loss or damage including but not limited to loss or damage to any other property.

The Redring warranty is in addition to your statutory rights as a consumer and your statutory rights are not affected by this Redring warranty.

Contact Redring

If you have any questions about what the Redring warranty covers and does not cover or how to claim under the Redring warranty, please contact us using the information below.

Contact Details

Millbrook House, Grange Drive, Hedge End, Southampton, SO30 2DF

Telephone: +44 (0) 344 879 3588

Email: customer.services@glendimplex.com

<http://www.redring.co.uk>

International

Guarantee: Contact your local distributor or Redring direct for details.

Technical Advice and Service: Contact your local Redring distributor.

Redring: A brand of GDC Group Limited, trading as Glen Dimplex Heating & Ventilation

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For electrical products sold within the European Community. At the end of the electrical products useful life it should not be disposed of with household waste. Please recycle where facilities exist. Check with a Local Authority or retailer for recycling advice in your country. Batteries should be disposed of or recycled in accordance with WEEE Directive 2012/19/EU. Packaging should be recycled where possible.



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