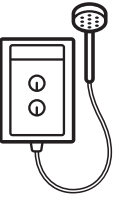


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EWE602IX1DWX3  
EWE802IX1DWX3



**EN** MULTI-POINT ELECTRIC  
WATER HEATER

USER MANUAL



**Electrolux**


## CONTENTS

1. PARTS IDENTIFICATION.....	3
2. SAFETY INFORMATION.....	4
3. HEATER UNIT INSTALLATION.....	5
4. PLUMBING PROCEDURE.....	7
5. ELECTRICAL INSTALLATION.....	8
6. TEST RUN.....	10
7. MAINTENANCE.....	10
8. WIRING DIAGRAM.....	11
9. ELECTRICAL SPECIFICATION.....	11


## WE'RE THINKING OF YOU

Thank you for purchasing an Electrolux appliance. You've chosen a product that brings with it decades of professional experience and innovation. In genius and stylish, it has been designed with you in mind. So whenever you use it, you can be safe in knowledge that you'll get great results every time. Welcome to Electrolux.

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## CUSTOMER CARE AND SERVICE

We recommend the use of original spare parts.

When contacting Service, ensure that you have the following data available.

The information can be found on the rating plate. Model, PNC, Serial Number.

 Warning/ Caution-Safety information.

 General information and tips.

 Environmental information.

Subject to change without notice.

## 1. PARTS IDENTIFICATION

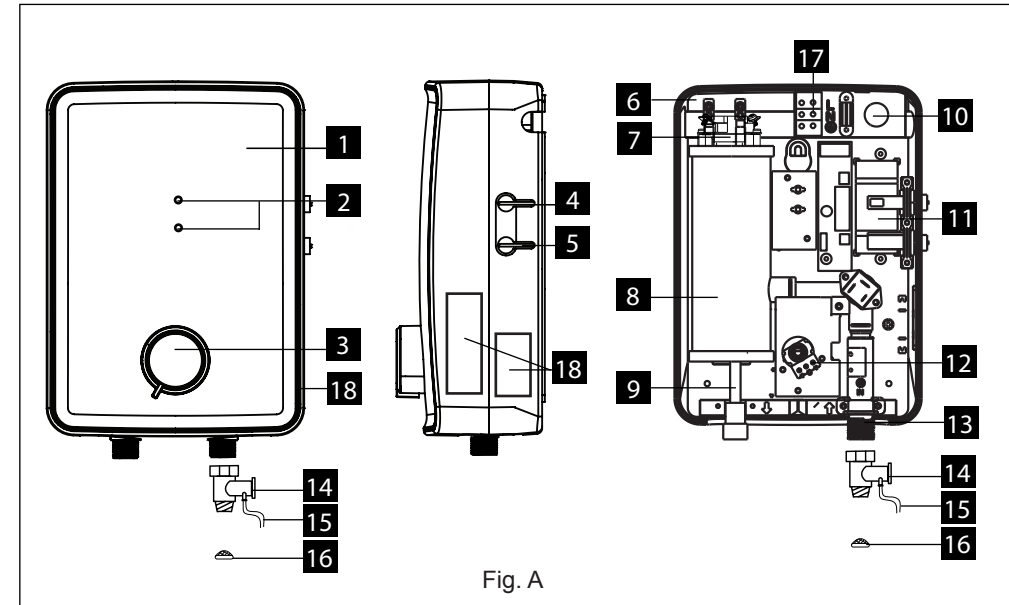


Fig. A

- |                             |   |
|-----------------------------|---|
| 1. Front Cover              | 9. Water Outlet Connection                          |
| 2. LED Indicator            | 10. Rubber grommet                                  |
| 3. Temperature Control Knob | 11. ELCB  |
| 4. ELCB Reset Lever         | 12. Main PCB Board                                  |
| 5. ELCB Test Lever          | 13. Water Inlet Connection                          |
| 6. Heater Base              | 14. Pressure Relief Valve                           |
| 7. Thermostat               | 15. Discharge Pipe ( Not provided by Manufacturer ) |
| 8. Heater Tank              | 16. Mesh Filter                                     |
|                             | 17. Terminal Block                                  |
|                             | 18. Rating Label                                    |

## 2. SAFETY INFORMATION

### WARNING !

2.1 Products manufactured by Electrolux are safe provided they are installed, used and maintained in good working order in accordance with our instructions and recommendations. Always refer to this manual if you have any doubt.

2.2 The Electric Water Heater must be earthed. Improper grounding could cause electrical shock.

2.3 If any of the following conditions occur as shown below, immediately switch off the power supply and contact the Electrolux Consumer Care Center. Never attempt to repair the Electric Water Heater yourself:

- If the Electric Water Heater begins to make an odd noise, smell or smoke.
- If ELCB trips and Electric Water Heater Indicator does not light up.
- Water temperature cannot be controlled.
- If the Electric Water Heater shows signs of a distinct change in performance.
- If water leaks from inside.

**2.4 When the Electric Water Heater is used by someone such as child, elderly person, sick person and physically handicapped person, the person concerned is kindly requested to pay attention and check the shower temperature by hand from time to time. User is advised to test and adjust the water temperature before using.**

2.5 During lightning/thunder, switch off the power supply to the Electric Water Heater in advance to protect the Electric Water Heater against possible damage.

2.6 The earth continuity conductor of the electrical installation must be effectively connected to all exposed metal parts of other appliances and services in the room, which in the Electric Water Heater is to be installed to conform to local regulations and ensure proper earthing/grounding for ELCB to be effective.

2.7 **WARNING :** Metallic / chromed hose and conductive control valve shall not be used.

NOTE : When removing the Electric Water Heater from package, a small amount of water may be found inside. This is normal as the Electric Water Heater is tested during manufacturing process.

### CAUTION !

**2.8 Installation must be carried out by a qualified personnel and in compliance local authority regulations.**

**2.9 This Electric Water Heater must be permanently connected to the direct main line supply. A plug and socket is not recommended to be used.**

**2.10 For the correct size of wire conductor corresponding to different electrical loadings, please refer to Table 1.**

**2.11 This Electric Water Heater operates at a minimum water flow rate of 2.0 litre/min and maximum working pressure of 6 bars. For direct connection from the water tank, the Electric Water Heater must have an installation minimum 1.0m below the water tank.**

**2.12 The Electric Water Heater will not function if there is insufficient water flow (min 2.0 litre/min) to trigger the flow switch.**

**2.13 The built-in ELCB will automatically cut off the power supply in case there is a current leakage from 15mA.**

**2.14 The thermostat will automatically cut off the power supply if it has sensed an abnormal rise in water temperature.**

**2.15 Electric Multipoint Water Heater with high power (8.0 kW) may come up with high temperature water output when taking shower (only 1 output point is in use) while other output points are not in use at the same time. Always check and adjust water temperature before using is highly recommended.**

**Caution :** In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

## 3. HEATER UNIT INSTALLATION

TABLE 1 - CABLE SIZE TABLE

Voltage	Power	Current	Conductor Size (csa)		On/ Off	Fuse /	
			mm <sup>2</sup>	Conduit Cable			
(AC)	(kW)	(A)			Switch (A)	MCB (A)	
220V ~ 50/60 Hz	6.0	27.3	4.0	7 / 0.85mm	56 / 0.30 mm	32	32
220V ~ 50/60 Hz	8.0	36.4	6.0	7 / 0.85mm	56 / 0.30 mm	40	40

3.1 Installation instruction for the qualified installer

- Install the Heater Unit as close as possible to main hot water draw-off points.
- Leave a minimum of 5" of clearance on all sides for servicing.
- Remove plastic cover. (Fig. 3)
- Mount Heater Unit securely to wall by putting two screws through mounting holes. Screws and plastic wall plugs for mounting are provided. (Fig. 4)

3.2 The Heater Unit is to be installed in a closed, frost-free room. The Heater Unit is to be installed vertically (Hot water connection downwards).

3.3 The Heater Unit can be installed in any location, concealed in the ceiling, below washbasin or even wall mounted.

### HEATER UNIT INSTALLATION DIAGRAM

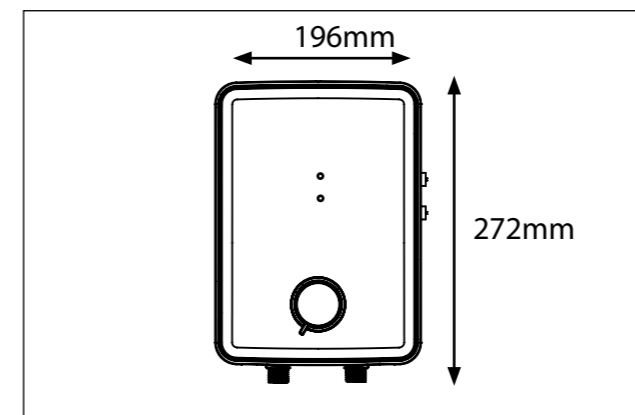


Fig. 1

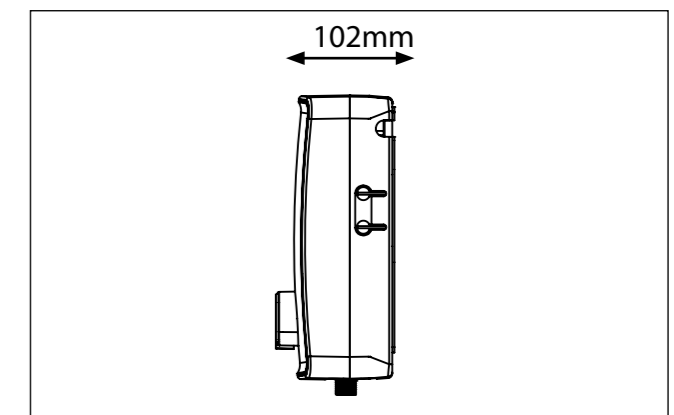


Fig. 2

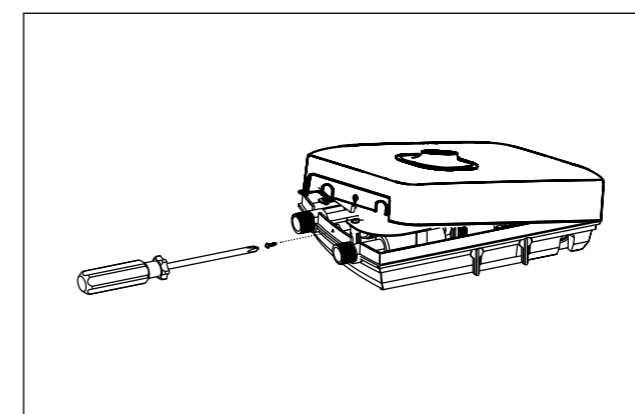


Fig. 3

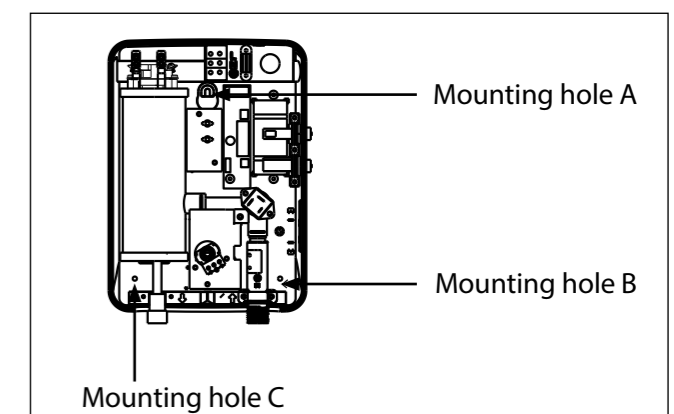
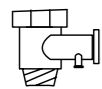


Fig. 4

## 3. HEATER UNIT INSTALLATION (CONT'D)



**Pressure Relief Valve must be installed to inlet every time. Refer picture in Fig. A.**

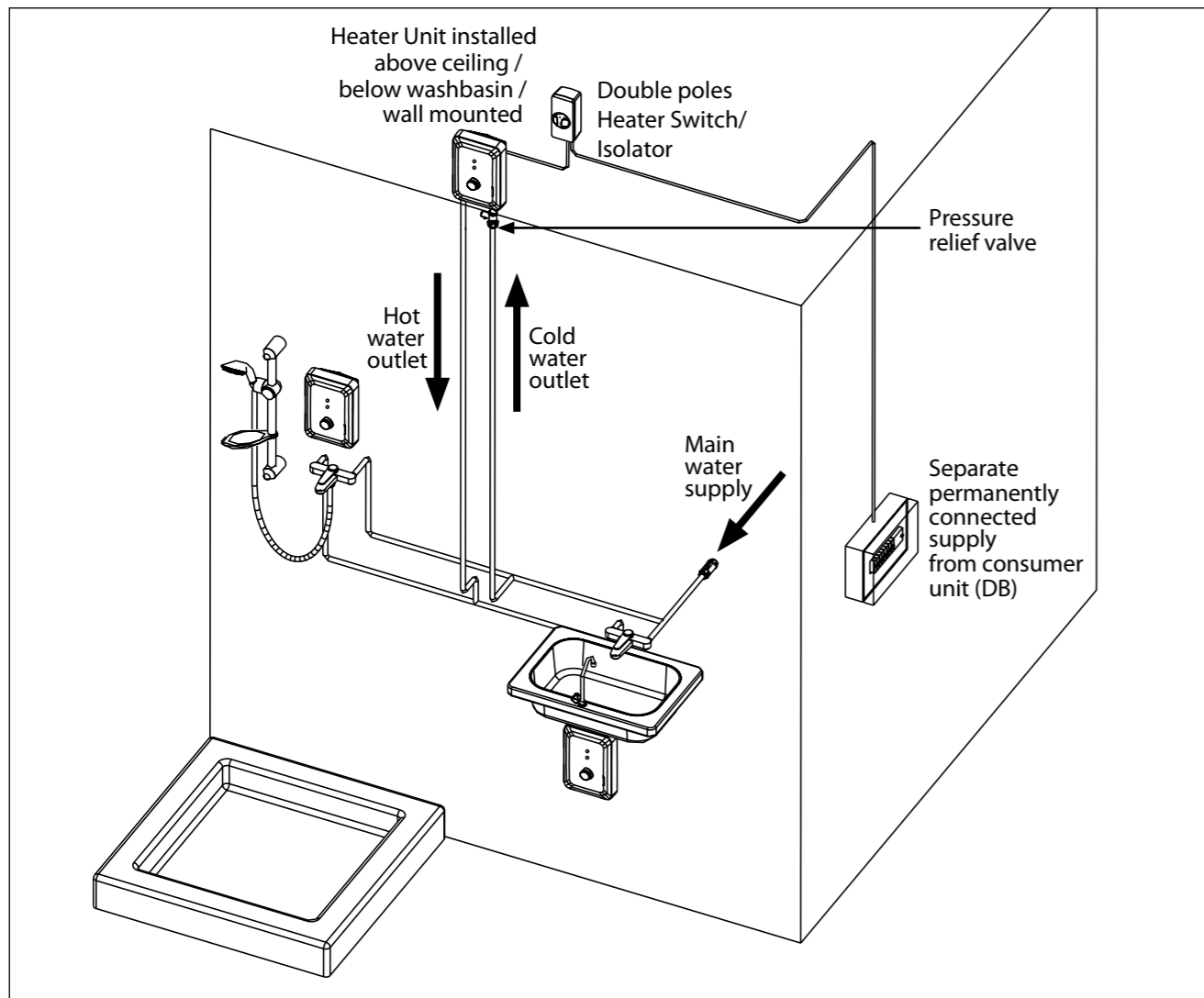


Fig. 5

Note: When connecting the Pressure Relief Valve to the water inlet, please make sure the discharge nozzle is facing downward. Connect a discharge pipe (PVC tube of dia. 8.0mm) to the discharge nozzle in a continuously downward direction and this pipe must be left open to the floor drain exhaust or discharge pipe. In abnormal condition where pressure gets higher than 6.0 bars, water will drip from this discharge pipe.

## 4. PLUMBING PROCEDURE

**CAUTION!**

4.1 Connect Pressure Relief Valve to INLET of Heater Unit. Use sealing tape for the connection to prevent water leakage. DO NOT apply excessive force when tightening the Pressure Relief Valve.

4.2 Insert Mesh Filter Washer before connecting the incoming water supply to the Pressure Relief Valve.

4.3 If in any case, make sure to put the Mesh Filter between the heater unit inlet pipe and Pressure Relief Valve.

4.4 Turn on the water mains to drain out all plumbing dirts before connecting the water supply to the Heater Unit, the water supply to the Heater Unit must be free from mud and dirt. Always KEEP the water supply to the Heater Unit free from mud and dirt at all time during usage.

Note: When connecting the Pressure Relief Valve to the water inlet, please make sure the discharge nozzle is facing downward. Connect a discharge pipe (PVC tube of dia. 8.0mm) to the discharge nozzle in a continuously downward direction and this pipe must be left open to the floor drain exhaust or discharge pipe. In abnormal condition where pressure gets higher than 6.0 bars, water will drip from this discharge pipe.

Note: Connections to the Multi-point hot system should be limited to 2 or at the most 3 outlet usage point and they should be near to each other, e.g. in the same bathroom but only ONE OUTLET POINTS IS TO BE USED AT ANY ONE TIME. Extensive distance between the appliance and usage point(s) will result not only in loss but also slow response of obtaining the hot water at the point(s) (Fig.5).

**IMPORTANT**

**THE HEATER TANK MUST BE FILLED UP WITH WATER BEFORE TURNING ON THE ELECTRICITY SUPPLY TO PREVENT ANY DRY BURNT DAMAGE TO THE HEATING ELEMENT. CHECK FOR ANY WATER LEAKAGE.**

**WARNING!**

4.5 The water inlet and outlet must be installed correctly, otherwise the Heater Unit will not function.

4.6 Do not apply plumbing cement on connection. Whenever necessary, use only thread or sealing tape.

4.7 Heater Unit must be installed in a vertical position with the water fittings pointing downward. Do not install unit where it would routinely be splashed with water. Electric shock may result.

## 5. ELECTRICAL INSTALLATION

### WARNING!

5.1 All electrical work must comply with national and applicable state and local electrical codes.

5.2 This appliance must be earthed. Improper grounding could cause electrical shock.

**5.3 Remember to SWITCH OFF the mains before carrying out any electrical work.**

5.4 Refer to TABLE 1 for the correct cable size.

5.5 Use double insulation cable of over 4mm<sup>2</sup>.

5.6 Insert the wall embedded cable through Side Entry 'A' by cutting a hole at the source cord rubber holder and lead the cable to Cable Bracket 'B' (Fig. 7).

### ELECTRICAL INSTALLATION DIAGRAM

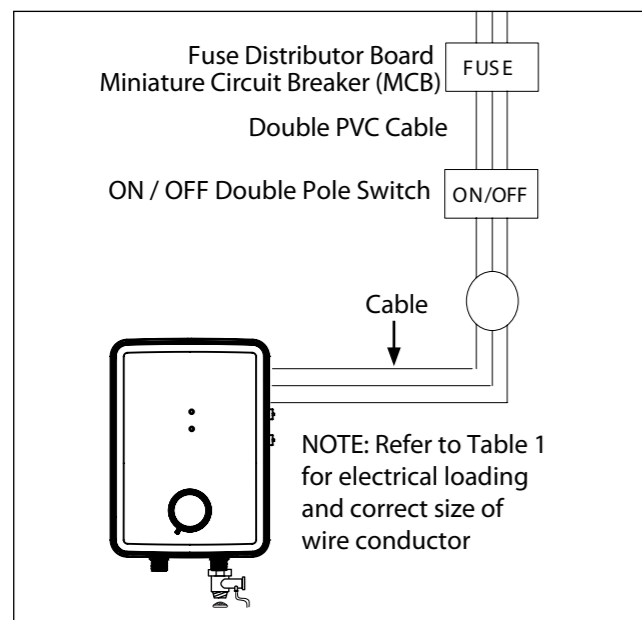


Fig. 6

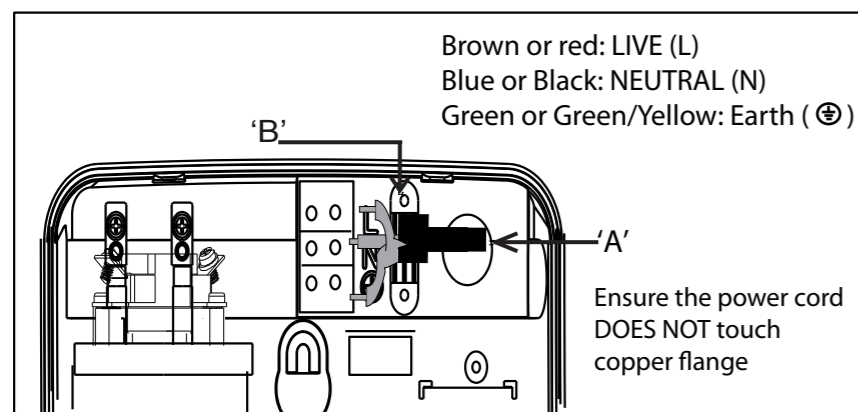


Fig. 7

## 5. ELECTRICAL INSTALLATION (CON'D)

### PROCEDURE :

5.7 Connect the cable as follows:

Brown or Red: LIVE (L)

Blue or Black: NEUTRAL (N)

Green or Green/Yellow: EARTH (⊕)

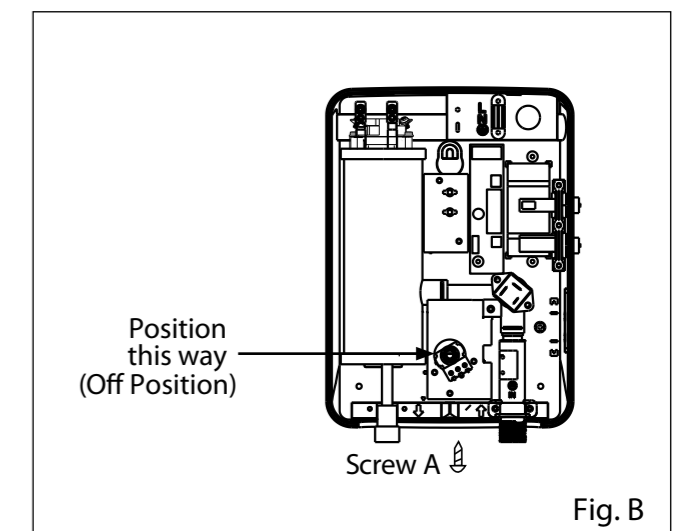
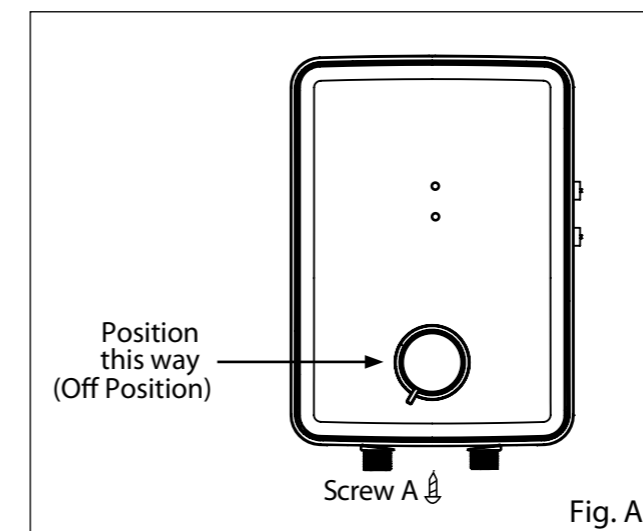
5.8 Clamp the cable to the correct position. CHECK IF THE WIRING CONNECTION IS CORRECT and replace the cover.

5.9 When putting back the Front Cover, please take note of the procedure shown below :

-Ensure the position is correct, turn the Temperature Control Knob Insert to OFF position as shown in Fig.A (At the Heater Base)  
-Install the Front Cover, turn the Temperature Control Knob to OFF position to align with the VR shaft as shown in Fig.B (At the Front Cover)

5.10 Fix the Temperature Control Knob and screw 'A' .

### METHOD OF ALIGNMENT WHEN REPLACING FRONT COVER



## 6. TEST RUN

- 6.1 Turn on the water supply and Stop Valve, the water will flow through the outlet.
- 6.2 Switch on the power supply. The 2 LED Indicator light shall run ON/OFF 3 times in sequences to indicate the set are self checking. If the Heater Unit is not earthed properly, the Earth Led indicator light will OFF, during usage or standby. Earth Led indicator light also OFF if Live & Neutral reverse connection.
- 6.3 Turn the Temperature Control Knob to 'ON', the Red (Power) LED Indicator will light up , hot water will flow out within a few seconds. The more Temperature Control Knob is turned in clockwise direction, the hotter is the water.
- 6.4 The shower bath, long bath, wash basin might not be hot enough even at the 'MAX' position if incoming water supply from the mains is too cold or the pressure of water is too high. In this case, you may adjust the incoming cold water mixer valve to reduce the water inflow in order to get the desired water temperature.

- 6.5 Check the Built-in ELCB as follows:
  - Pull the ELCB TEST LEVER down, the Built-in ELCB should trip and cut off the power supply, Red and Green LED Indicator should light off.
  - Pull the ELCB RESET LEVER down to reset the ELCB, the 2 LED Indicator light shall run ON/OFF 3 times in sequences to indicate self checking and the Heater Unit should resume normal function, the Green LED Indicator should light on. If procedures stated above prevailed, the ELCB is functioning in normal condition.
- 6.6 It is unnecessary to turn the Temperature Control Knob to 'OFF' position when the Heater Unit is not in use.
- 6.7 Explain to the user how the unit works and familiarise him or her with its use.
  - Advise the user about possible hazards (high water temperature)
  - Hand over these instructions, to be kept in a safe place.

## 7. MAINTENANCE

Read the section 'SAFETY INFORMATION' first.

Test the ' ELCB ' regularly

- 7.1 This procedure is a highly recommended test to be carried out at least once a month. Turn on the power supply and water supply, both Red (Power) and Green (ELCB) indicators will light up if the Temperature Control Knob is in 'ON' position. Pull the ELCB TEST LEVER down, Red (Power) and Green (ELCB) Indicator should go off. Pull the ELCB RESET LEVER down to reset the ELCB ,resume the power supply. (Fig 8) Clean the filter regularly

- 7.2 Clean the Mesh Filter regularly to prevent blockage. When carrying out any work, isolate the unit from the mains and shut off the water connection.

### WARNING !

- 7.3 If the Power Indicator does not go off when you pull the ELCB Test lever, switch OFF the mains supply and contact sales agent for repair service. Special skill is required for repairing. NEVER try to repair the unit by yourself.

### Cleaning precaution!

- 7.4 Do not use thinner, alcohol, petrol or any other organic solutions to clean the set. **Use only dampened cloth with mild detergent.**

### ELCB TESTING

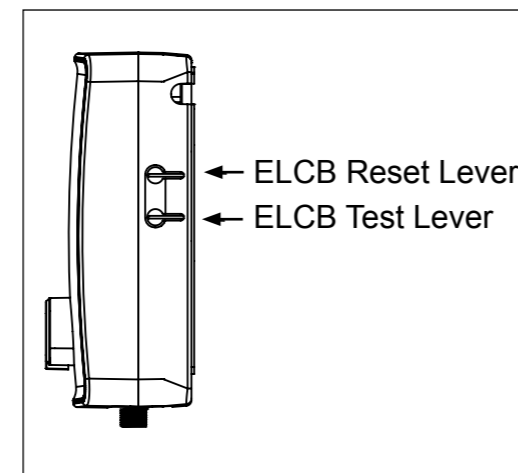
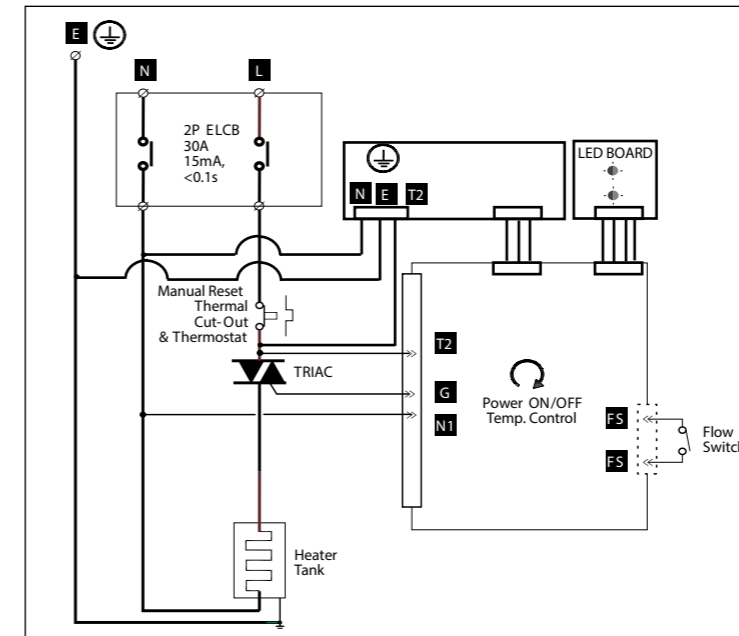


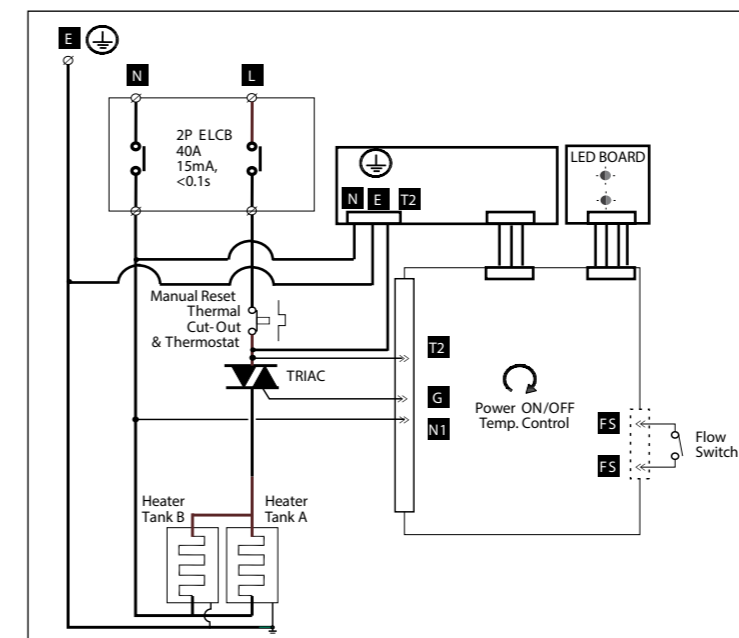
Fig. 8

## 8. WIRING DIAGRAM

### WIRING DIAGRAM - ELECTRICAL CONTROL WITH ELCB EWE602IX1DWX3



### WIRING DIAGRAM - ELECTRICAL CONTROL WITH ELCB EWE802IX1DWX3



## 9. ELECTRICAL SPECIFICATION

### SPECIFICATIONS (TABLE 2)

ELECTRICAL LOADING	6.0kW, 220V ac (single element) / 8.0kW , 220V ac (double element)
TYPE	Electronic power control
MIN. WATER FLOW RATE	3 Liter / min.
MIN. INLET WATER PRESSURE	1.0 Bar (100kPa; 14.5 psi)
MAX. INLET WATER PRESSURE	6.0 Bar (0.6 MPa ; 87.02 psi)
WATER CONNECTION	1/2" bsp multipoint system
DIMENSIONS	272 x 196 x 102 (mm)
WEIGHT	2.1 Kg (6.0kW model) / 2.3 Kg (8.0kW model)

NOTE: The specification, actual product's cosmetic design and accessories parts shown are correct at the time of printing and may be subjected to change without prior notice.



