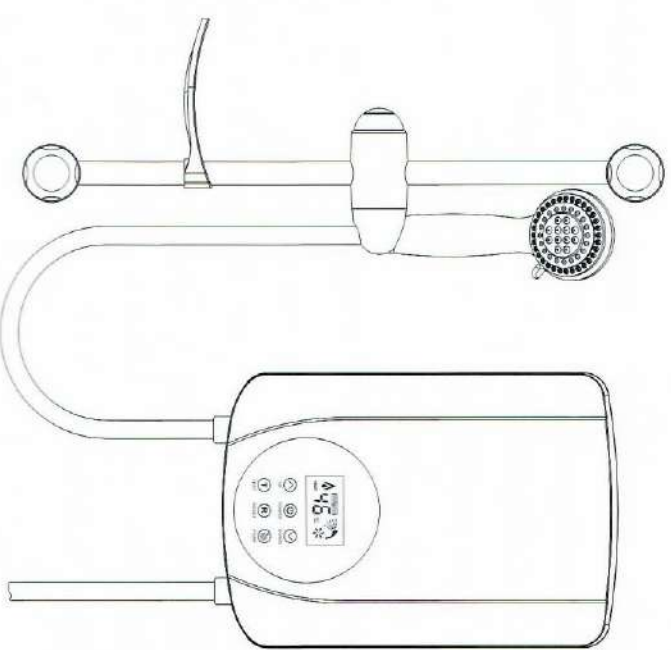
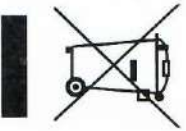


# Instant Electric Water Heater Instruction Manual

For MODEL:TPS-371



This product must not be disposed together with the domestic waste. This product has to be disposed at authorized place for recycling of electrical and electronic appliances. By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmental friendly and healthy way.



**Remarks: The specifications may be change without prior notice. All features and specifications are all given by manufacturer.**

**For proper operation and maintenance please read carefully and preserve the instruction manual**

**WARNING** 

1. The appliance must be earthed.
2. The appliance must be permanently connected to fixed wiring.
3. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
4. Household use only.
5. The spray head must be descaled regularly.
6. The outlet must not be connected to any tap or fitting other than those specified.
7. The appliance is not to be installed in location where freezing can occur.
8. The new hose sets supplied with the appliance are to be used and that old hose sets should not be reused.
9. Remember to SWITCH OFF at mains before carrying out when install the appliance and maintenance.
10. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

**Technical data** 

For technical characteristics, please refer to the appliance data plate

Power	3.5KW	5.5KW
Recommended cable size	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Voltage	220V~	
Frequency	50/60HZ	
Classification of waterproof	IPX4	
Rated Pressure	0MPa	
Operating water pressure	0-0.6MPa / 0-6bar / 0-87psi	
Dimensions	305X213X73mm	

**WARNING** 

1. Products manufactured by us 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. The appliance must be earthed.
3. If any of the following conditions occur, immediately switch off the mains and contact the sales agent for repair. Never attempt to repair the unit yourself.
  - If the Heater begins to make an odd noise, smell or smoke.
  - ELCB and Heater lamp does not light up.
  - Water temperature can not be controlled.
  - If the Heater shows signs of a distinct change in performance.
  - If found water leakage from inside.

**Installation instructions****CAUTION before installation:**

1. Installation must be carried out by a qualified personal and in compliance to the local authority regulations.
2. This heater must be permanently connected to the direct main current supply. The use of a plug and socket is not recommended.
3. For the correct size of wire conductor corresponding to different electrical loading. Please refer to Table 1.
4. This heater operates at a minimum water flow rate of 1.5L/min. For direct connection to the water tank, the heater must have a minimum of 1.0m below the water tank.
5. In time of thunder, turn off the electric current breaker in advance to protect the heater.
6. The built-in ELCB will automatic cut off the power supply in case there is a current leakage as low as 15mA.
7. The thermostat will automatic cut off the power supply if it has sensed an abnormal rise in showering water temperature. Only qualified technicians are allowed reset the thermal cut-out built inside the appliances.

**Install the appliance:**

1. Select a suitable position in the bathroom.
2. Mark the screws points of the heater base on the wall. The heater position should be 1.5 meter from the bathroom floor.(fig.2a)
3. If shower accessory is available(refer fig.2d), mark 2 screws points for positioning the slider rail set beside the heater. It is recommended the top of the portion is in level with the top of the heater.
4. Use 6mm diameter drill and make the wall plug holes for heater and shower accessory to 35mm depth.
5. Insert the wall plugs and mount the heater firmly in position with the screws provided.(fig.2b)
6. To mount shower accessory, remove the terminal cover from the mounting terminal and screw the mounting to position. Close the cover, insert the shower holder and soap tray into the slider rail. Mount the slider rail to the mounting terminal and screw the second mounting to position.

**Water connection**

1. Connect the valve to the water inlet with rubber washer. Use correct tools to tighten and be careful not to break the plastic nut.
  2. Insert mesh filter washer then connect the incoming water piping the stop valve(1/2" BSP).
  3. Connect the hose and hand shower to the outlet of the heater sure to put in the rubber washer.
  4. Hook the hand shower to the slider rail shower holder and adjust to ideal position. Important: The water outlet can only be fitted to the hose hand shower set provided. No control valve or fitting can be fitted to the water outlet.
- Testing connection
1. The water inlet and outlet must be installed correctly, otherwise the heater cannot function.
  2. Do not use plumbing cement on connection. If necessary, use only thread or sealing tape.
  3. Turn on the water mains to drain out all plumbing dirts and to fill up the heater tank check for any water leakage. (Important: this step will prevent damage to the heating element).

**Electrical connection****IMPORTANT WARNING:**

- This appliance must be EARTHED.
- Remember to SWITCH OFF at mains before carrying out any electrical work.
- Refer to the TABLE 1 for the correct cable size.

**This product is equipped with a SINGLE POLE ELCB, which in case of mishap will protect the user from leakage current ONLY if the Line and Neutral cable have been connected correctly.**

**(NOT INVERTED)**

1. Use double coated flexible cable having nominal cross-sectional area between 2.5 and 4 mm<sup>2</sup>
2. Lead the power cable from the circuit breaker to a "ON/OFF" double bipolar switch (which having a contact opening at least 3mm in all poles) outside the bathroom, then lead a cable connected to water heat.(fig.3a)
3. According to the installation drawing, the power line must be connected to the corresponding wire of ELCB. Live wire is red or brown, neutral wire is blue or black, and earth wire is yellow-green.(Before installing, make sure the main switch has been cut off.)(fig.3b)
4. Check the Wiring connection is tighten.

## Starting and testing

### IMPORTANT WARNING:

The heater tank must be filled up with water before turn on the electricity supply. This is to prevent any dry burnt damage to the heating element.

### 1. Usage

- 1) Open the water first, then press the "POWER" key.
- 2) Press "UP" key and "DOWN" key to adjust the appropriate water temperature.
- 3) When the machine is suspended in the middle use, it could be entered the standby state by press the "POWER" key to close the circuit or close the water valve directly.
- 4) If the water pressure is too low, press "PUMP" key to start the pump to increase the water pressure.
- 5) Turn on the electricity supply, Press the "POWER" key, the temperature digital tube will turn on, Turn on the water supply, Press the ELCB "Test" key, the temperature digital tube show E1, Water heater will stop heating automatically; Press the "Reset" key to resume the electricity supply. If the temperature digital tube does not show E1 when you press the ELCB "Test" key SWITCH OFF the mains supply and contact your sales agent for repair.
- 6) Turn off the main power supply if you don't need it for a long time

## 2. Usage Function and Screen Display

- 1) When the power is switched on, the buzzer sounds and the screen shows the outlet water temperature.
- 2) Press the "POWER" key, the buzzer sounds, and then opens the inlet water valve, and the water flows out.
- 3) Press the "UP" and "DOWN" keys to set the required temperature, and the machine will automatically adjust to the set temperature.  
When the set temperature can not reach the temperature you set, decrease the water flow and then the temperature will get high by degrees
- 4) When the water temperature exceeds 55 °C, the over temperature protection starts automatically and stops heating.
- 5) When water is suspended during use, the water temperature in the machine will rise. Please pay attention to the next usage.
- 6) When stopping using, press the "POWER" key first, and then close the inlet water valve, which can protect the machine.
- 7) Turn off the main power supply when leaving.

After 10 minutes of standby mode (the heater is not heating), the temperature display will turn off and the display screen will display "--" (brightness is reduced by half).  
If there is any operation (water flow, temperature, pump, button operation), it will return to normal state.

## MAINTENANCE

### Read the section WARNING first

#### Test the ELCB regularly

(For ELCB models only) (fig.6) (This procedure is highly recommended.)  
Turn on the electricity supply, Press the "POWER key", the temperature digital tube will turn on, Turn on the water supply, Press the ELCB "Test key", the temperature digital tube show E1, Water heater will stop heating automatically; Press the "Reset key" to resume the electricity supply. If the temperature digital tube does not show E1 when you press the ELCB "Test key" SWITCH OFF the mains supply and contact your sales agent for repair.

**Special skill is required for repair NEVER try to repair the unit by yourself.**

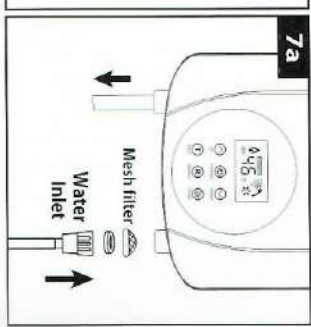
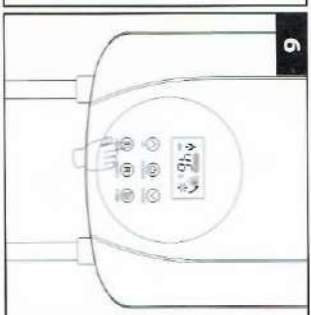
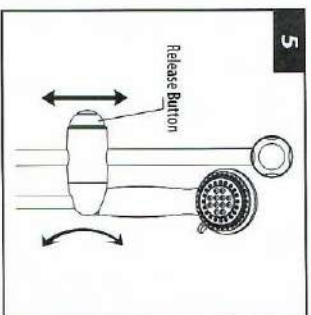
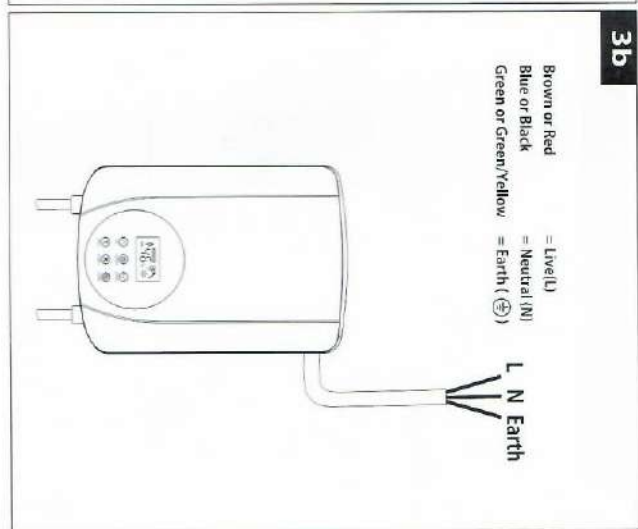
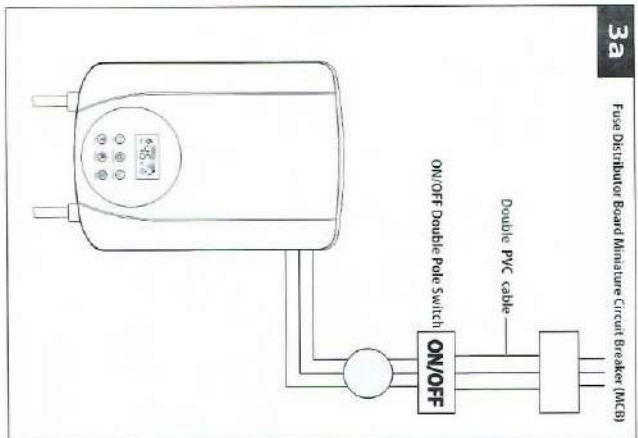
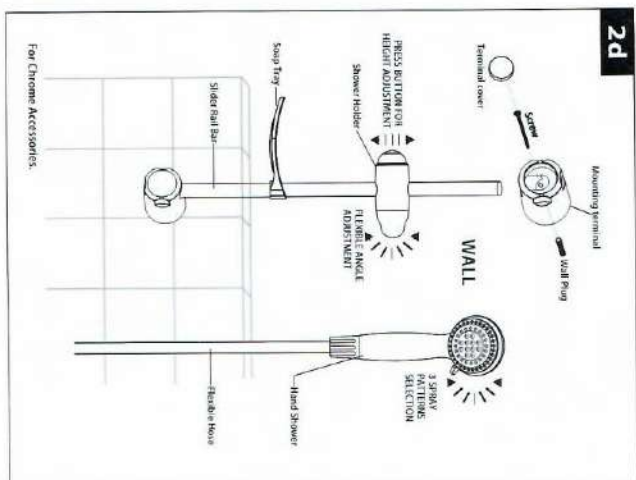
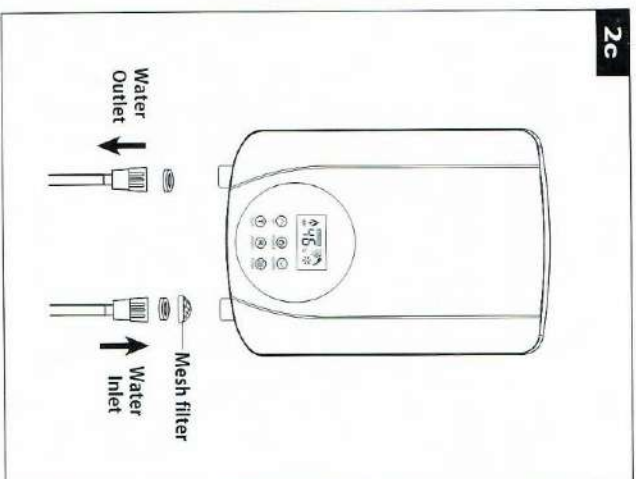
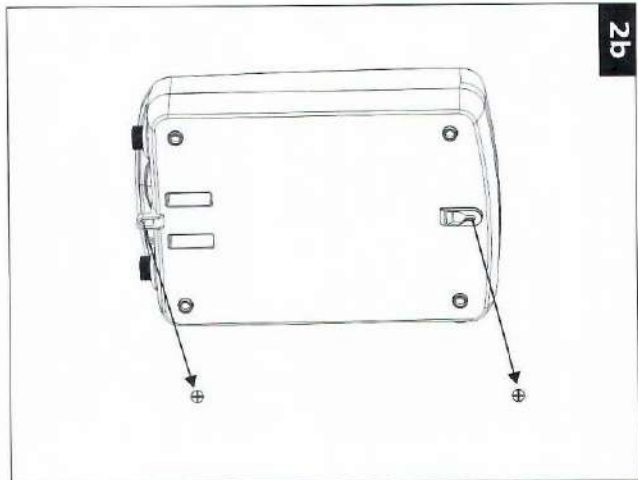
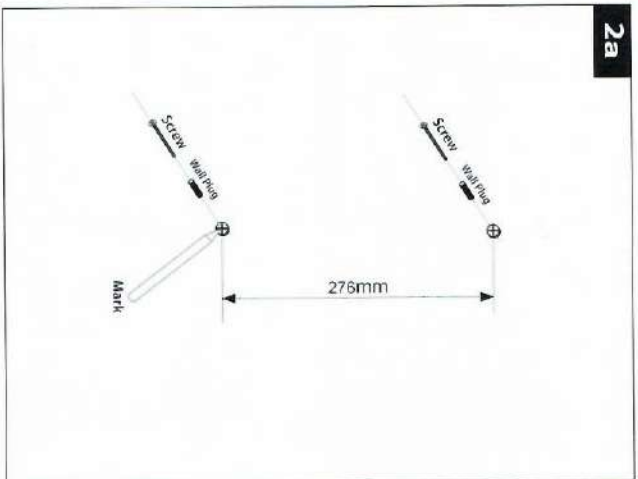
#### Cleaning precaution

Do not use thinner, alcohol, petrol or any other organic solutions to clean the set, use only a damp cloth with mild detergent.

#### Clean the filter regularly

Clean the Mesh Filter regularly to prevent blockage, the built-in Filter as shown in fig. 7a.

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.  
Shower Accessories parts are optional for Multi-Poing Models.



**WIRING DIAGRAM - SILENT PUMP FOR SINGLE POINT MODEL**

