



Inspiration for better living

Operating & Instruction

Manual



K-1 series

Instant water heater with pump

• Easy to use • Safe • Reliable • 4 colour options



GENERAL INFORMATION

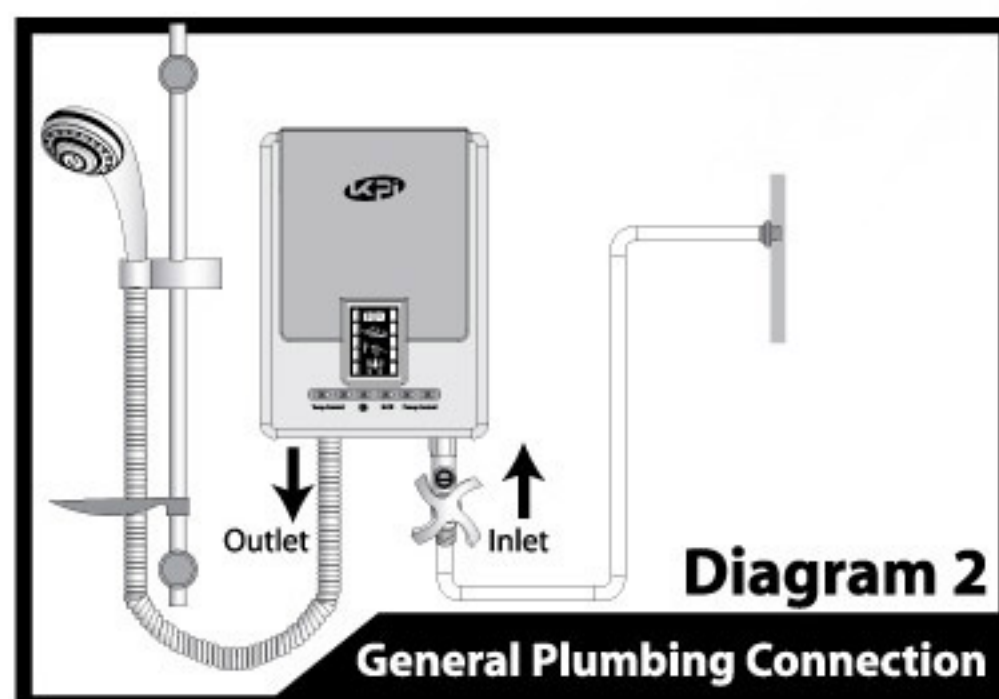
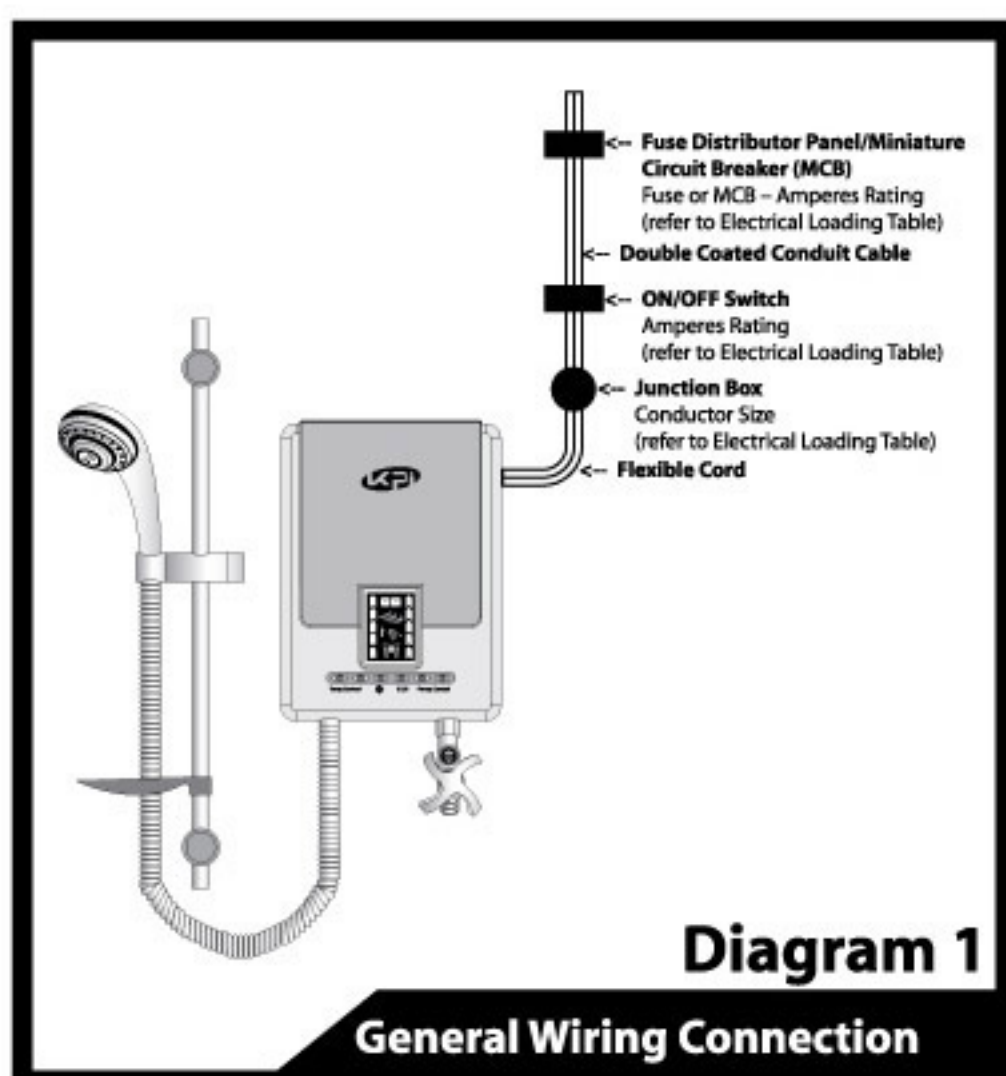
ELECTRICAL

- 1) All wiring **MUST** conform to local regulations. If in doubt, do consult a qualified electrician.
- 2) Installation must be carried out by a qualified electrician.
- 3) The heater must be permanently connected to the electricity supply through a double pole linked switch with a contact separation of at least 3mm in all poles incorporated in the circuit, and out of reach from the person using the shower.
- 4) The use of plug and socket is not recommended.
- 5) The correct size of wire conductor corresponding to different electrical loading should be used. The table below provides a reference for selecting the correct type of wire conductor.

Electrical Loading Table

Voltage (V~)	Power (kW)	Amperes (A)	Recommended Conductor Size (csa)			Fuse/ MCB (A)	ON/OFF Switch (A)
			mm2	Conduit Cable	Flexible Cable		
220 - 50/60 Hz	3.2	14.5	2.5	7/0.67mm	50/0.25	20	20
230 - 50/60 Hz	3.5	15.1	2.5	7/0.67mm	50/0.25	20	20
240 - 50/60 Hz	3.8	15.8	2.5	7/0.67mm	50/0.25	20	20

- 6) A typical electrical wiring connection is shown in Diagram 1.



K-1 series

INSTALLATION PROCEDURES

- All plumbing work should be completed before proceeding to electrical wiring connection.
- The heater unit must be installed on solid wall to avoid the possibility of distorting the unit.
- Inlet and Outlet connections of the heater should not be reversed.
- Ensure that the water feeding into the Inlet connection be drawn from the household gravity water storage tank and not from the mains.

1) Mounting Position:

- Turn off the water source.
- Remove the screw at the bottom of the heater.
- Remove the Heater Cover by lifting the bottom upward.
- Mark out 4 mounting points on the wall.

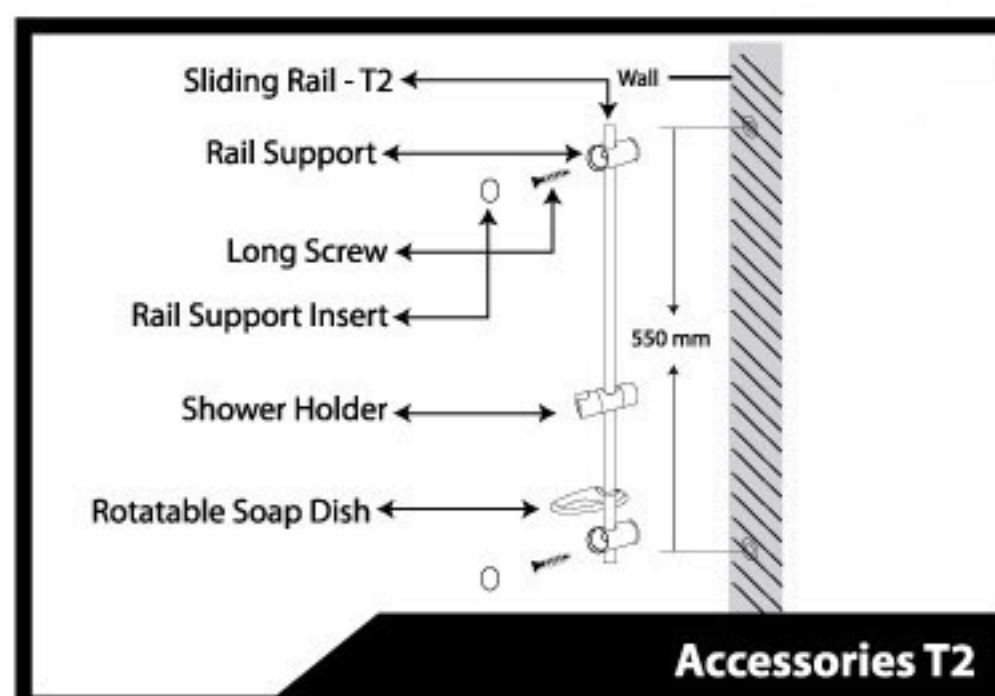
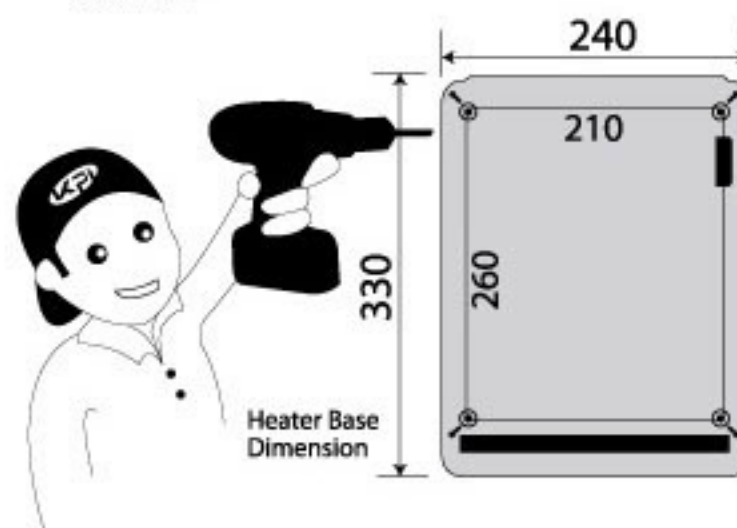
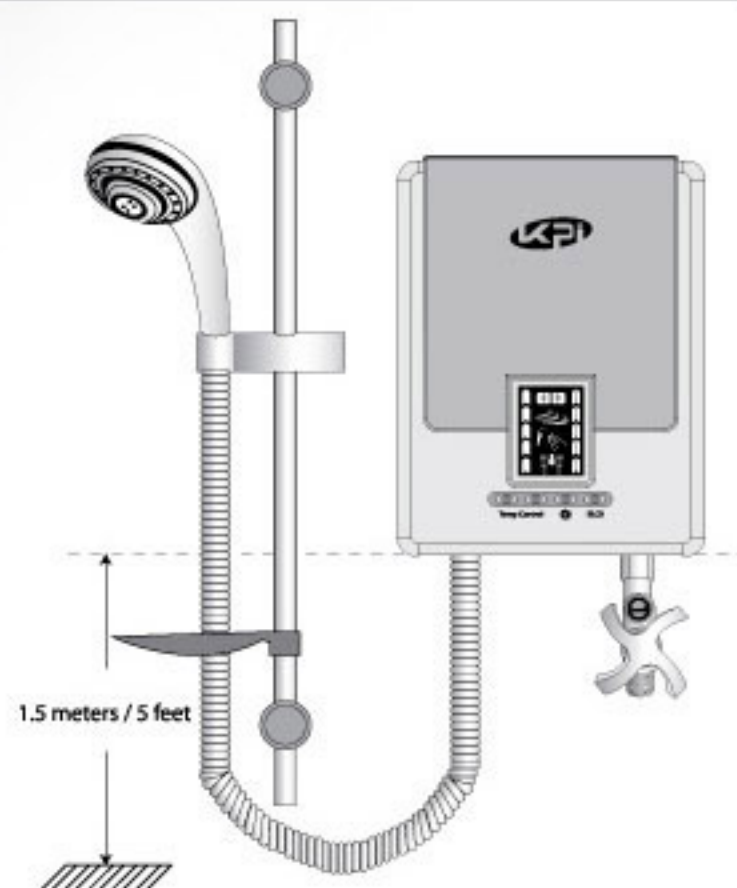
Note: It is recommended that the mounting at the bottom of the heater be 1.50 meters/5 feet above the floor of the bathroom. However, the height of the installation level is at the discretion of the user.

2) Water Heater Mounting:

- Drill 4 holes with 6.0mm diameter drill bit.
- Put in the wall plugs and install the heater on the wall with the screws provided.

3) Shower Accessories Installation:

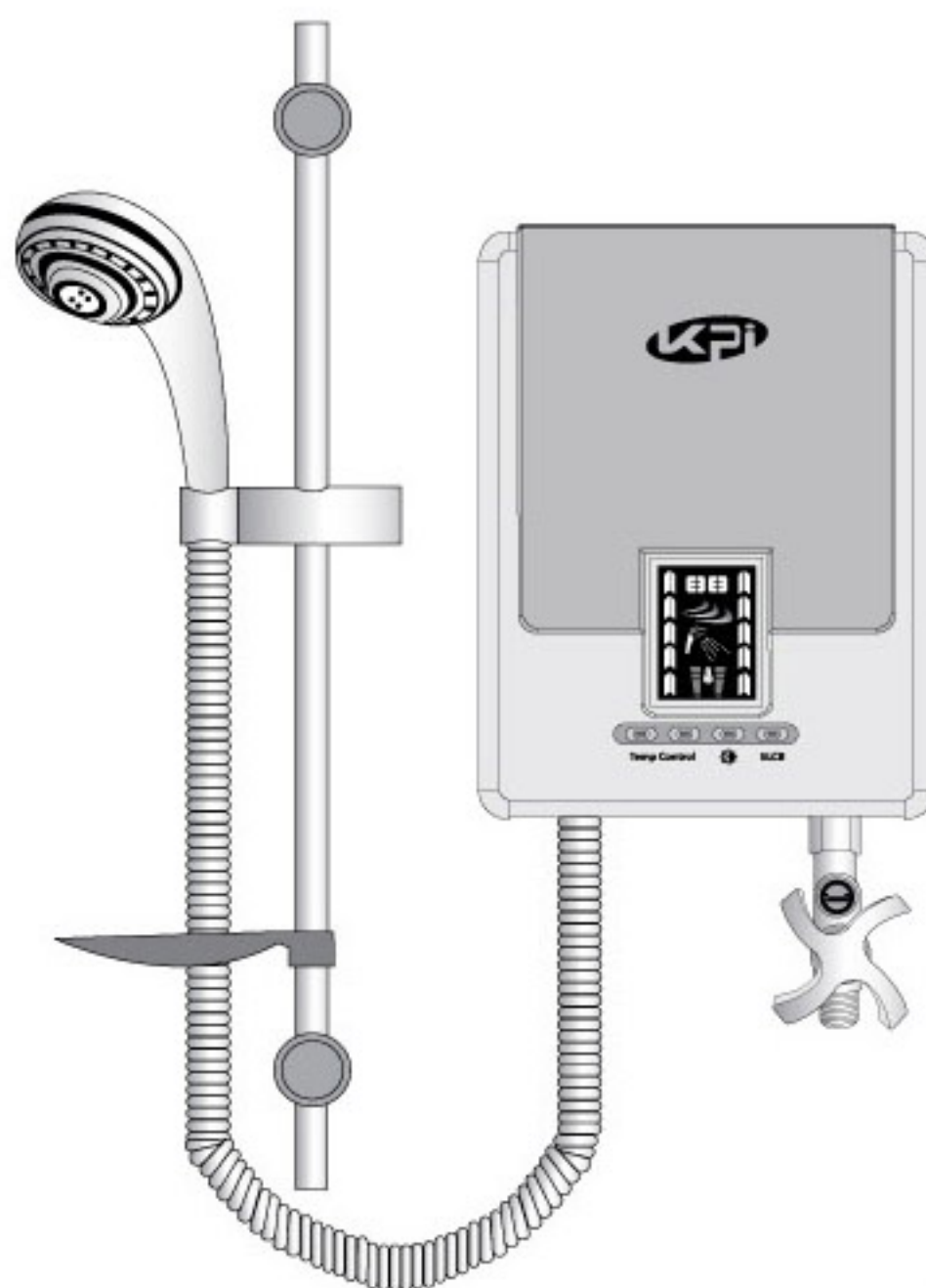
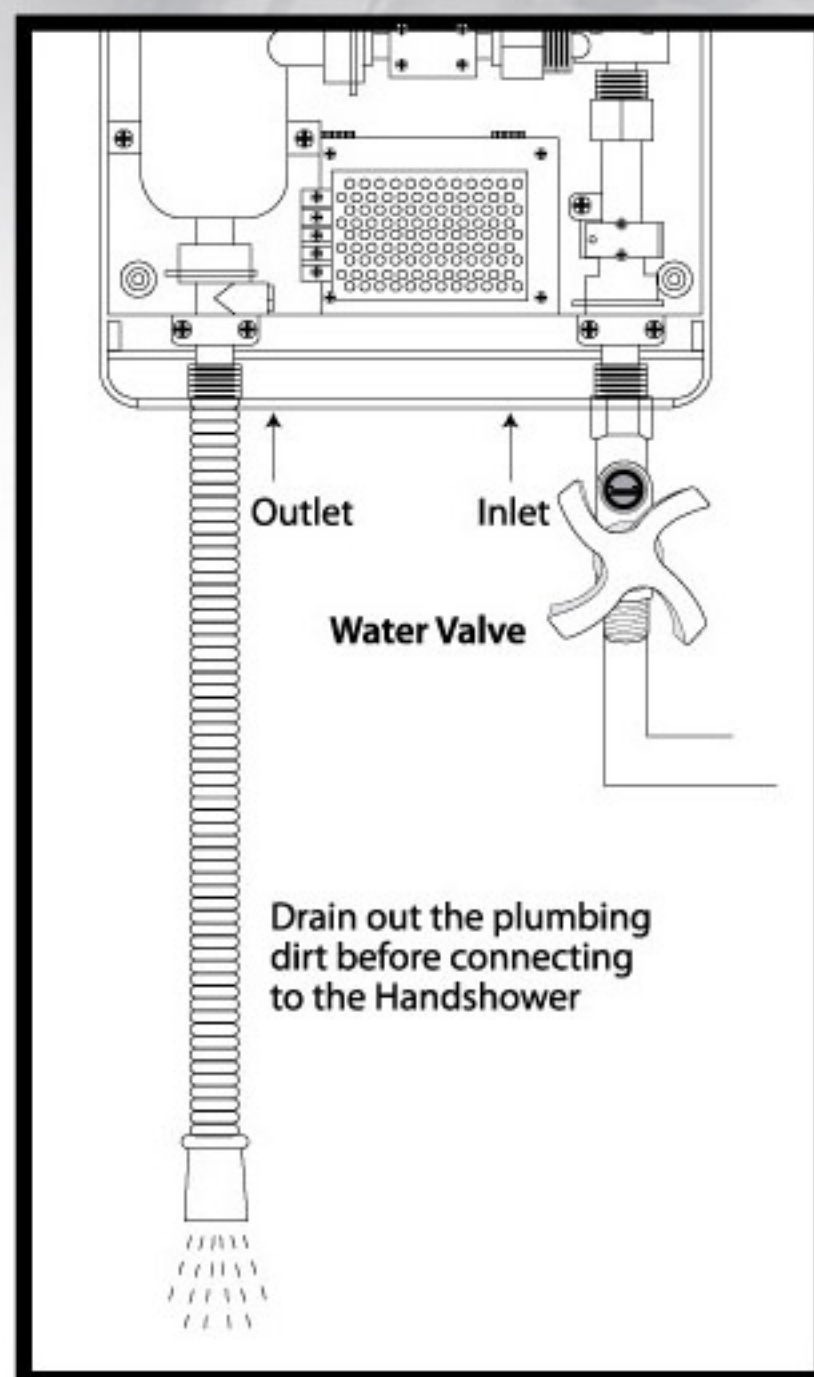
- Fix the Rotatable Soap Dish, Shower Holder and Rail Support (Top and Bottom) on to the Sliding Rail.
- Mark the position of the 2 holes of the Rail Support - be sure that the top portion is the same level if not higher than the top of the heater.
- Drill the holes and mount the Shower Accessories with the wall plugs and screws provided. Insert the Rail Support Knobs on to the Rail Support.



INSTALLATION PROCEDURES

4) Connection of heater Inlet and Outlet:

- Connect the Water Valve to the heater Inlet by using the rubber seal provided.
 - Connect incoming water supply to the Water Valve. If necessary, make use of the sealing tape to prevent water leakage.
 - Connect the Flexible Hose to the heater Outlet.
(Do not connect the other end of the Flexible Hose to the Handshower at this stage.)
 - Turn on the water supply to drain out all the plumbing dirt and to fill up the heater tank.
(This step will prevent damage to the Heating Element.)
 - Connect the other end of the Flexible Hose to the Handshower.
- Do not apply excessive force to tighten any of the connections. Excessive force may cause damage to the connector.**
 - Do not bend the Flexible Hose or install any accessories which can block the water flow at the heater Outlet.**
 - Do not install valve at the heater Outlet.**



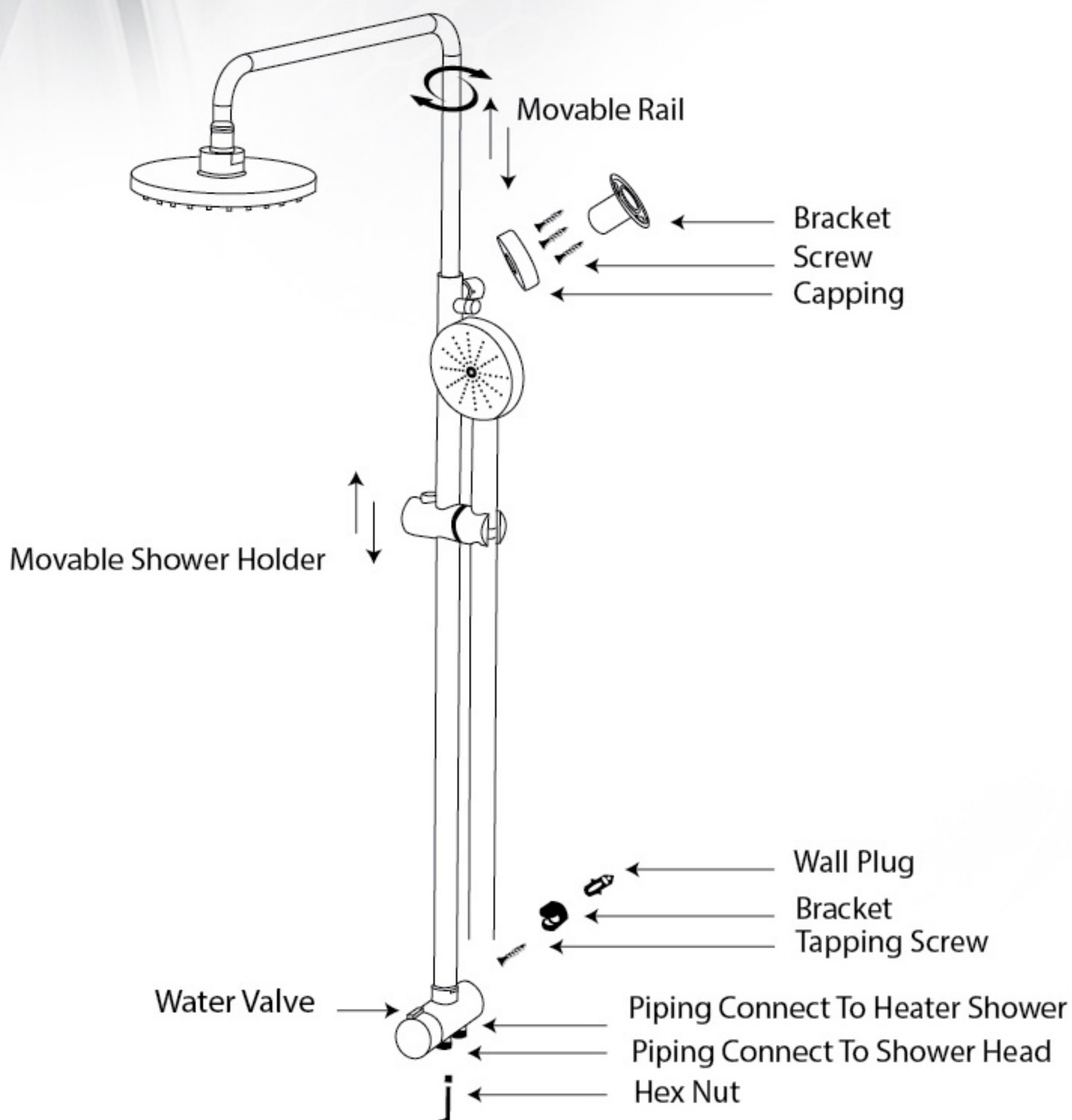
WARNING:

- Metallic / chromed hose and conductive control valve shall not be used.**
- The appliance shall be earthed.**
- The appliance shall be permanently connected to fixed wiring.**
- The outlet shall not be connected to any tap or fitting other than those specified.**

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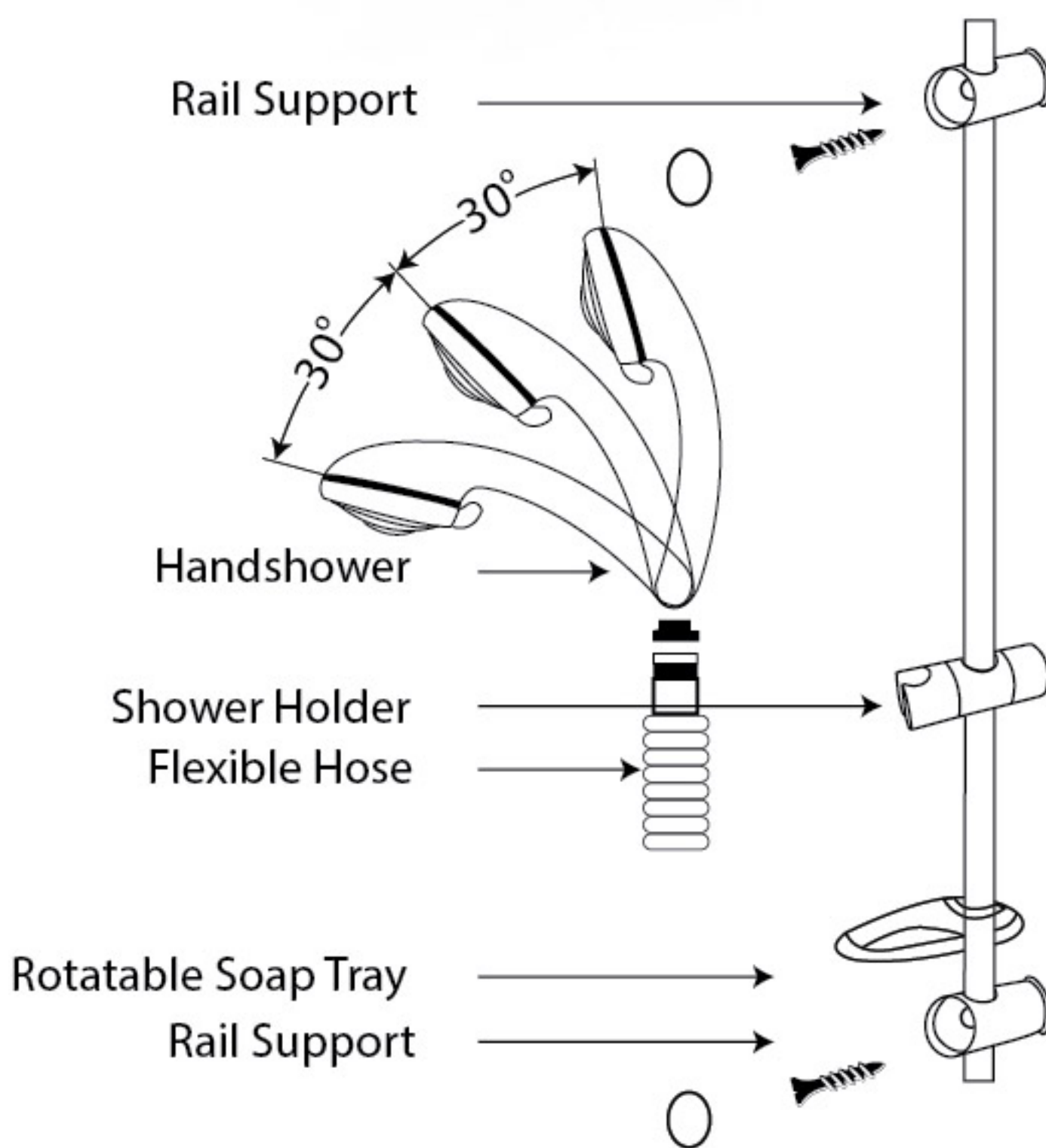
INSTALLATION PROCEDURES

RAIN SHOWER ACCESSORIES :



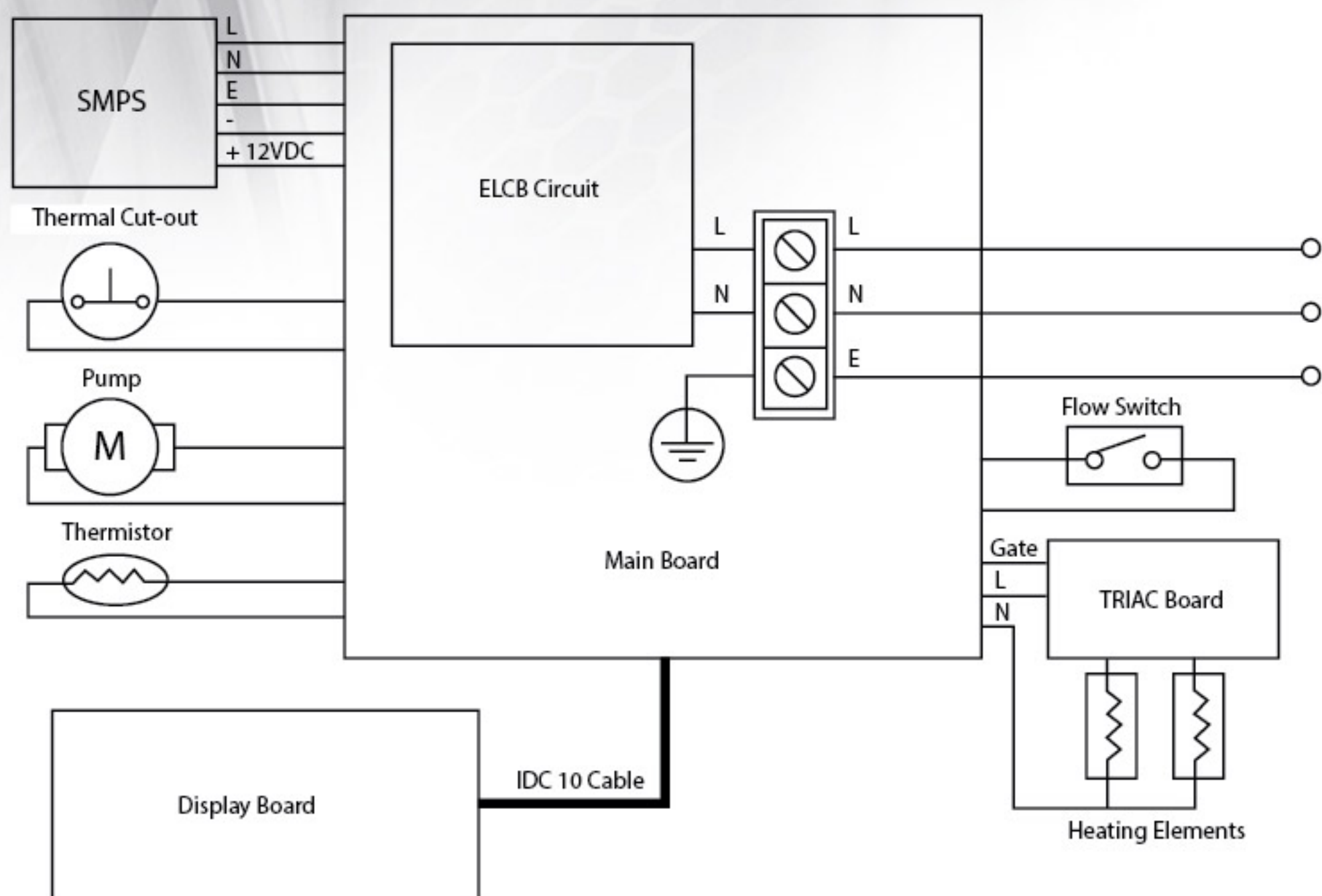
INSTALLATION PROCEDURES

SHOWER ACCESSORIES :



USER GUIDE

SCHEMATIC WIRING DIAGRAM



INSTALLATION PROCEDURES

5) Electrical Connection:

Caution:

Switch off the mains before carrying out any service.

- Remove the Heater Cover.
- Insert the electrical cable through the rubber grommet from the entry located at the side. Connect the cable to the Terminal Block and fully tighten them as follows:
- Attach the wires to the terminal block. (Make sure all the screws are fully tightened).

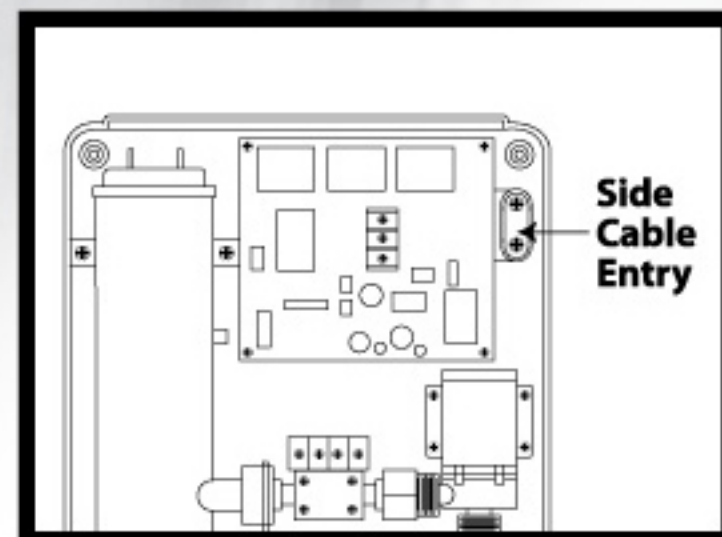
Wiring colour code:

RED or BROWN -> LIVE (L)

BLACK or BLUE -> NEUTRAL (N)

GREEN/YELLOW or YELLOW/GREEN -> EARTH (E)

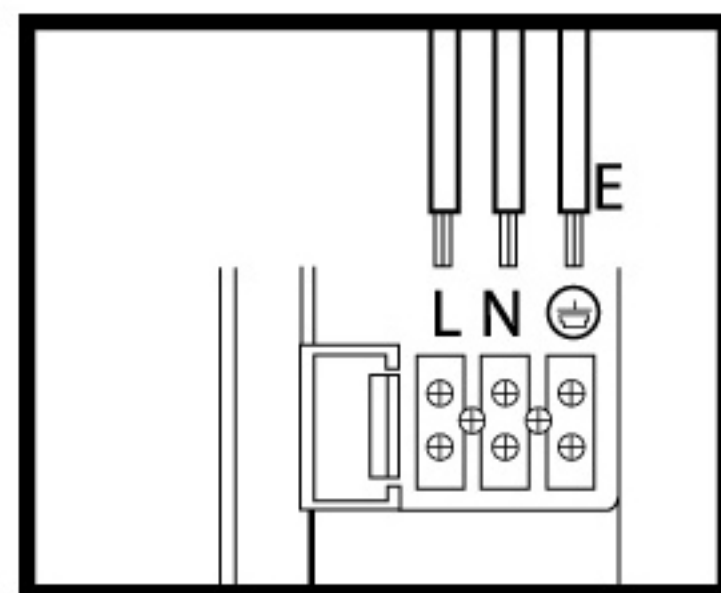
- Fix back the Heater Cover.



6) Heater Testing:

To test the heater:

- Power on the heater.
- Turn on the water valve, the heater should start functioning.
- Increase the temperature setting by pressing the Temperature Control (+) button.
- Wait for a few seconds, the water temperature should start to increase until the temperature is set by the user.



To test the ELCB of the heater:

- Power on the heater.
- Press the ELCB button, the device should trip immediately.
- Press the ELCB button again to reset the device.

REMINDER :

It is recommended that you check the condition of your heater once every month by pressing the ELCB button.