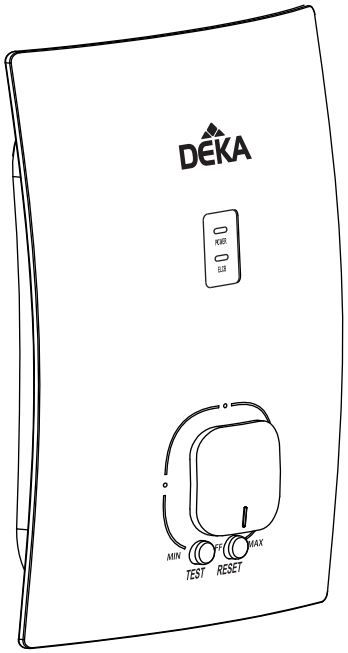
Technical data

Model	PREMIO
Construction	Open outlet
Power Input	3.75kW
Main Voltage	240 V
Frequency	50/60 Hz, a.c.
Protection class	1
Enclosure	IP 25 (splash-proof)
Mode of operation	Continuous operation
Main connection	Permanent connection
Dimensions	300mm(H) x 204mm(W) x 70mm(D)
Pipe Connection	½" Threaded BSP
Weight	1.19kg
Minimum water flow	2 l/m
Minimum Inlet water pressure	0.02MPa(0.2 bar)
Maximum Inlet water pressure	0.3MPa(3 bar)

DEKA®

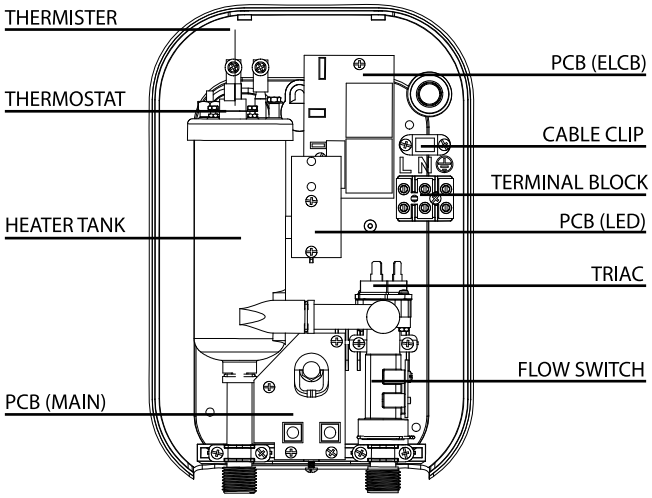
Look Inside For:



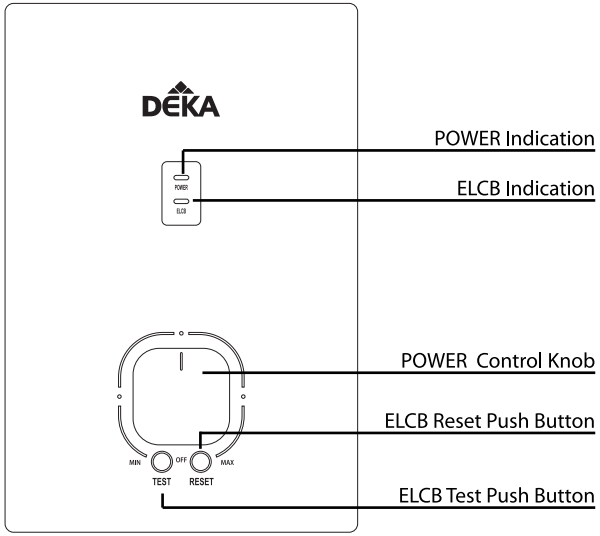
PREMIO

Owner's Instructions Manual

Backplate Assembly



Top Cover Assembly



Fault Finding Guide

SYMPTOM	POSSIBLE CAUSE(S)	ACTION(S) / SOLUTION(S)
Water too cool or cold	Too much water flowing through the heater	Reduce the flow rate
	Reduction in the ambient temperature	Reduce the flow rate, switch to higher temperature setting.
	Defective heating element	Renew heating element tank assy.
	Open circuit in wiring	Check wiring
Water too hot	Temperature setting too high	Reduce temperature setting
Unit switch off during use	Defective PCB Interruption of mains electrical supply	Check and repair / renew Check loss of power, MCB, switches and supply cabling.
	ELCB trip, possible earth leakage	Check earth leakage and reset ELCB
Water ceases to flow	Blockage of sprayhead, twisted or blocked flexible shower hose	Clean / renew sprayhead, check for free passage of water through hose. Replace as necessary.
	No water supply	Check water supply, stop valve open ? and no blockage.

Replacing the cover

Note: It is necessary to engage the knobs in the correct position onto the spindles before the cover is located.

Secure the cover with the screw provided.
Remove the shower head from the flexible hose and point it to waste.

Important : Turn the water valve fully open and let the water flow through the heater to release any air which may be in the system and fill the heater with water. The heater must be full of water before heat setting are used.

Your heater is now ready to use. We recommend that you allow your heater to reach a stable temperature before you commence showering.

Operating the heater

Note: Ensure the flushing out procedure has been carried out.

To use the power selector

The Power selection has variable power settings; OFF, MIN to MAX.

The OFF setting is cold water only, Adjustment of the external valve flow volume at this setting will only alter the force of the water from the spray head. **It will not alter the water temperature.**

The low power settings allow you to reduce the power used by the heater. These settings use less power and can be used in the summer when the incoming water temperature is higher.

" MAX "is the full power setting , further adjustment of the temperature is via the external valve control knob.

Operating features

Light Indicators :

- POWER : Indicates when the heating element is switch on and water is flowing on the heat settings. The light will not come on when the power setting is at the OFF position or insufficient water to activate the heater.

- ELCB : Indicates there is no earth leakage in the system and the shower unit is safe to operate.

Control :

- POWER : When the POWER control knob is set to OFF, it provides for cold shower.The shower unit will get warmer as the control knob is turned clockwise towards position MAX.

IMPORTANT : Under no circumstances must the pump model unit be connected directly to the main cold water supply.

To ensure correct operation of the pump model, it must be connected to a cold water supply gravity feed from a static water storage tank, with a maximum head of 6 m (29') and a minimum head of 0.5m (6").

- TEST : Press the TEST button will simulate a earth leakage in the system and the unit will trip with ELCB indicator off.

- RESET : Press the RESET button will resume the earth leakage fault back to normal and the ELCB light on.

IMPORTANT : The ELCB detects a very small fault (leakage current) which may occur in a circuit and isolate the electric supply to the heater, thus protect the users.

- The heater, all exposed metal surface and pipe works within the bathroom MUST BE bonded and earthed.
- Improper earthing may result in malfunction to the ELCB. Never use the heater is there is doubt on the earthing installation.
- Test ELCB regularly to ensure the heater is safe to use.

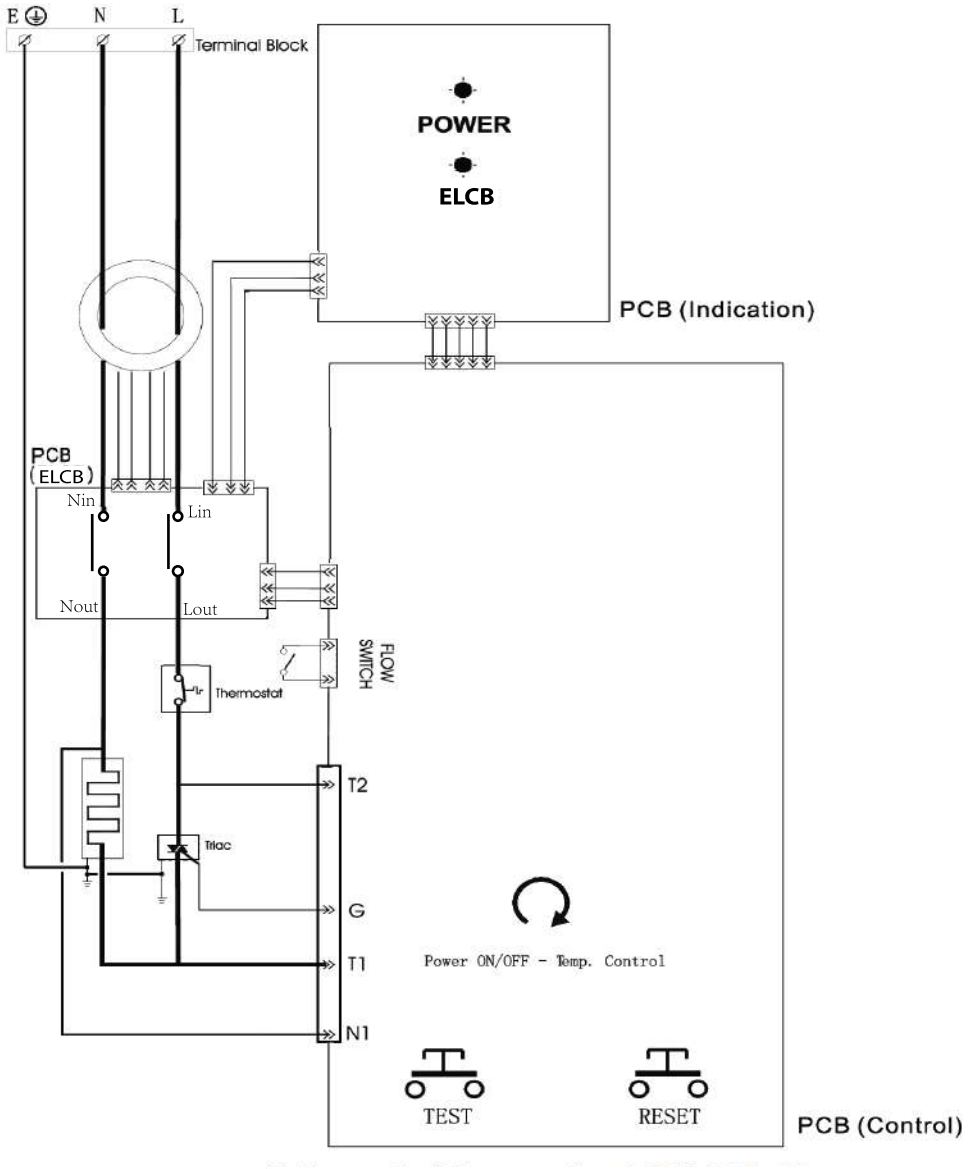


Fig. 2 (Schematic Diagram)

Description of the appliance

Dear customer,
With this continuous-flow instantaneous water heater you have made a good buy. Flow-controlled and designed to withstand the full mains pressure, your continuous flow instantaneous water heater will supply hot water whenever you need it.
The main features of our continuous flow water heater s are:

- High energy conversion efficiency
- Small size
- Point-of-use installation for single tap connection.

The continuous flow water heaters are manufactured and tested in accordance with the valid regulations and standards. The appliances are safe as defined by the International Act on Technical Appliances.

Notes

1. Carefully read the instructions below.
2. Check the data on the rating plate of the appliance and compare them with your mains voltage.
3. The heater must be installed and put into operation by a licensed specialized firm or tradesman as description in these instructions.
4. Have the guarantee certificate stamped and signed by the firm or tradesman who installs the heater and puts it into operation. Otherwise, your rights to claim under guarantee become null and void.
5. After the installed appliance has been handed over, keep these instructions in a safe place.

Please take account of the following;

- Do not switch on the heater when it is obviously frozen in.
- **The spray head (shower head) must be descaled and clean regulary to ensure no blockage occured.**
- To ensure perfect functioning of the heater, certain minimum water flow level must be guaranteed (see Technical data).
- Separate electric circuits must be provided for the heater.
- 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 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.

Installation instructions

The heater must be installed and put into operation only by a licensed specialized film or tradesman as described in these instructions.
All repairs and servicing must be done by competent and qualified service technician.
Do not attempt to repair the heater yourself.

Please take account of the following :

The heater must only be operated in a room free from frost.
The screws and wall plugs required for mounting the heater are included in the delivery.

Note : The control knob(s) are integral part of the cover – do not attempt to remove them.

- Unscrew the bottom retained screw and lift the cover from the backplate.
- Use the backplate as a template and mark the three fixing holes.
- Drill the holes and insert the wall plugs.
- Insert the cables through the cable entry of the heater.
- Fit the heater to the wall.

Plumbing connection

Plumbing to precede wiring.

Warning : The outlet of the heater acts as a vent and must not be connected to any tap or fitting not recommended by the manufacturer.

Take the regulations of your local water authority into account when connecting the heater to the water main.

Do not use joining compounds on any pipe fittings for the installation.

If PVC glue is used during installation, please ensure the glue is dried (30 minutes after applying) to prevent interfering of Flow Switch operation and possibly blockage of the Shower Head.

Compression fittings must be used to connect to the inlet of the heater (push on fittings must not be used).

Note : An additional stop-valve (complying with water bye-laws) must be fitted in the mains water supply to the heater as an independent means of isolating the water supply should maintenance or servicing be necessary.

WARNING : This appliance is not to be used for a potable water supply

Procedure

Turn off the water supply at the isolating stopvalve. Connect the mains water supply to the inlet of the heater using 15mm copper pipe with compression fitting.

Important: Before completing the connection ofthe water supply to the inlet of the heater, flush out the pipe work to remove all system debris.

Turn on the mains water supply and check for leaks in the pipe work connection to the heater.

Note : At this stage no water can flow through the unit.

Fitting the Shower set

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

- Fit the two end brackets to the Rod.
- Place the brackets with rod onto the wall and mark the position on the two screw holes.
- Fit the end brackets, holder and rod onto the wall with the wall plugs and screws provided.
- Fit the flexible hose to the shower head.

Note : The conical end of the flexible hose should be fitted to the shower head.

- Connect the flexible hose with shower head to the heater using the rubber sealing washer.
- Place the shower head in the holder.
- The heater is now ready to be fitted to the electrical supply.

Electrical Connections

Warning : This appliance must be earthed

Note: The heater must be permanently connected to the electricity supply, direct from the consumer unit via a double poles linked switch with a minimum contact gap of 3mm in both poles. The switch must be readily accessible and clearly identifiable and out of reach of person using a fixed bath or shower. The wiring must be connected to the switch without the use of a plug or socket outlet.

The cable size required is determined by the kW rating of the heater and the distance between the heater and the consumer unit.If you are in any doubt, consult an qualify electrician.

The electrical rating of the heater is shown on the rating label within the unit. Fig.2 shows a schematic wiring diagram.

Procedure

Ensure electricity supply is switched off. The cable can be surface clipped, hidden or via conduit.

Note: Conduit entry can only from rear.

Route the cable into the heater and connect to the terminal block as follows:-

Live Cable to terminal marked **L**
Neutral cable to terminal marked **N**
Earth cable to terminal marked **E** ⏚

Important: Ensure that the terminal block screws are **fully tightened** and that no cable insulation is trapped under the screws.

Note: The outer sheath of the supply cable must be stripped back to just after the cable clamp.

The cable clamp must be used to secure the cable, the clamp is suitable for 6mm^2 cable or can be reversed for 10mm^2 cable.

If cable larger than 10mm^2 is used, do not use the cable clamp but the cable must then be secure either by routing through conduit or in trunking or embedding in the wall, in accordance with IEE regulation.

The earth continuity conductor of the electrical installation must be effectively connected electrically to all exposed metal parts of other appliances and services in the room in which the heater is to be installed, to conform to IEE regulation

Do not switch on the electricity supply until the cover has been fitted.

Notice: Customer is advised to test the built-in ELCB at least once a month.