



SPECIFICATIONS:

Input supply: 230v AC 50Hz
 Maximum resistive load: 3KW
 Recommended ambient temperatures -10 to +50°C
 Temperature setting ranges: 30 - 65°C
 Temperature tolerance +/- 5°C

BEFORE COMMENCING INSTALLATION:

- All installations should be carried out by suitably qualified personnel.
- The Qwik-Switch Geyser Controller is suitable for installation on a conventional electric geyser with a load no greater than 3KW. It is not suitable for installations on heat pumps, gas geysers and certain solar geysers.
- All wiring connections must be done inside the geyser controller enclosure using the terminals provided. The geyser controller lid and glands must be fastened on completion of installation.
- Always use the correct wire gauge rated for your specific geyser installation.
- Always ensure the screws holding down the wires in the connector blocks are securely fastened.
- These installation instructions apply specifically to the Qwik-Switch geyser controller installation.
- Ensure your mains incoming line to the geyser controller has no additional equipment impeding the mains supply to the geyser i.e. ripple control, timer or any other type of device.
- New regulation specify the installation of an isolator switch located next to the geyser installation. A double pole isolator will ensure a greater degree of protection.
- Ensure that the geyser circuit mains supply to the geyser controller is supplied by an operational 20A circuit breaker installed at the DB board.
- Ensure the geyser controller and geyser circuit is supplied and protected via an operational earth leakage.

UNIT INSTALLATION

(please see image on front)

1. Mount the Geysers Controller close to the Geysers, within 2m of the hot water outlet pipe.
2. Attach the temperature probe to the Geysers hot water outlet pipe as close to the Geysers housing as possible, using the insulating material and cable ties provided.

3. Connecting 220V Mains in.

- a. Connect 220V Live wire to the L1 terminal.
- b. Connect 220V Neutral wire to the N1 terminal.
- c. Connect 220V Earth wire to the E1 terminal.

4. Connect Geysers out.

- a. Connect the Geysers Earth wire to the E2 terminal. (Goes to geysers earth stud)
- b. Connect the Geysers Neutral wire to the N2 terminal. (Goes to thermostat)
- c. Connect the Geysers Live wire to the L2 terminal. (Goes to Thermostat)

5. Thermostat:

- Continue to use existing thermostat and set to 65° C

6. LED Operation

- LED will flash three times (3x) on power-up and start normal operation.
- LED mostly ON and flashing OFF, once per second, indicates heating.
- LED mostly OFF and flashing ON, once per second, indicates Idle
- LED flashing fast, indicates hardware error

OPERATION:

Before switching power on, to the geysers controller ensure that you have thoroughly read, understood and applied all installation and safety procedures as defined in this manual.

In the event of any ambiguities regarding the installation and operation, consult trained personnel or contact our offices.

TROUBLE SHOOTING:

- Double check that the MAINS breaker is on.
- Isolator switched on.
- Double check LED status & consult installation manual.
- Ensure that min temp / max temp schedules are set correctly.
- Thermostat set to 65°.
- Double check all screw terminals on connection blocks are tightened
- Table mount scheduler (TMS) batteries low.
- TMS shows ERROR - Re-power & Relink - Follow link procedures
- Ensure TMS is no more than 30m away from Qwik-Switch geysers controller.