

# GeyserWise Delta T 220V

Use for 220V pumped solar system.

**Geyser**  
**wise**  
intelligent energy control



## Control box

The control unit is the brain of the system. It performs all the programmed functions and sends instructions to the pump and the element.



## - Display unit

### Display unit

An array of useful information can be displayed. This includes the temperature of the water in the geyser, the temperature in the collector, whether the pump is running or not, when the element is on, actual kW used, etc.



## - Water tank sensor

### Water geyser sensor

The water geyser sensor measures the temperature in the geyser and acts as a thermostat.

## GeyserWise Delta T 220V functionality

### Use as timer and differential control on pumped solar system

- Clear display of water temperature, time, day, heating mode and malfunction conditions on solar system and geyser.
- Auto or manual heating.
- Easy temperature setting to your requirements (30 - 65°C) factory default is 55°C.
- Four different temperature settings.
- Daily programmable timer with four time settings.
- Error conditions alert by warning code E2 to E5 and E7 to E9.
- Electronic thermostat with mechanical thermal cut-out at 90°C. Please note the cut-out temperature for systems expected to reach temperatures above this temperature.
- Differential controller 220V pumped solar systems.

## Technical parameters

- Operating voltage 230VAC / 50HZ.
- Main relay contact rating 20AMP (Max 4KW).
- Secondary relays pump 5Amp.
- Operating voltage range 160V - 250V AC.
- Temperature display range 0 - 200°C (" -5" when below -5°C "EA").
- High temperature warning above 85°C.
- Temperature setting ranges 30 - 65°C (heating water electrically).
- Heat failure - when increase at a rate of less than 4°C per hour.
- Electronic thermostat with mechanical thermal cutout at 90°C.
- Dry heat detection - empty cylinder.
- Temperature tolerance  $\pm 2\%$ .
- Temperature differential setting 1°C.
- Switching differential 6°C.
- 2nd temperature probe for solar.
- Solar differential setting range 7°C - 15°C.
- Temperature probe failure detection for both collector and tank.
- Temperature probe range for geyser is -30 to + 130°C.
- Temperature probe range for collector is -30 to + 260°C.
- Isolate L when in off state.
- Collector antifreeze protection setting range 0 - 10°C.

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