

# Geyserswise MAX

For use in pumped solar water heating systems

## Description

### Use as a geyser timer

- Clear display of water temperature, time, day, heating mode and malfunction conditions.
- 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 E1 to E7.
- Electronic thermostat with mechanical thermal cut-out at 90°C.

### Use as timer on a thermosyphon 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 E1 to E7.
- Electronic thermostat with mechanical thermal cut-out at 90°C. Please note the cut-out temperature for solar systems expected to reach temperatures above this temperature.

### 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 E1 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 12V and 220V systems.

## Technical Parameters

- Operating voltage 230VAC / 50HZ.
- Main Relay contact rating 30AMP (Max 4KW).
- Secondary relays pump and solenoid 5Amp.
- Operating voltage range 160V – 250V AC.
- Earth leakage protection at 25MA action time = 0,1 second.
- Temperature display range 0 - 99°C (“-5” when below -5°C “EA” when above 99°C).
- High temperature warning above 84°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 cut-out 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 7°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 both L + N when in off state.
- Collector antifreeze protection at 5°C