

SOLAR CONTROLLER USER'S MANUAL

For integrated Pressurized Hot Water System

Description: MANUAL HEATING

Electrical heater can be integrated into solar system as backup, and it can be controlled by temperature, when the controller checks the tank temperature (T) is 3°C below the preset temperature, electrical heater will be triggered. When tank temperature (T) reaches the preset temperature, electrical heater is ceased.

HOW TO HEAT MANUALLY

1. Press manual button, temperature area 60°C blinks on the screen.
2. Press “▲▼” button to adjust the switch-on temperature, adjustable range: 30°C ~ 80°C, factory default: 60°C. After 20 seconds, this heating function is activated and heating signal is displayed on the screen.
3. Press manual button to switch-off manual heating function.

NB: Manual heating can only function once the manual heating is triggered, and stops after attaining the set temperature.

TIMED HEATING

FUNCTION DESCRIPTION

Electrical heater which is integrated into solar system will be triggered automatically at preset time by preset temperature. Back-up heating will start if the temperature (T) of the tank drops below the preset switching –on temperature within a preset time sections. When temperature (T) rises up to the preset turning off temperature, back-up heating will stop. The solar controller can be set three times within 24 hours.

NB: The adjustable range of switch-on temperature of heating is 30°C ~(OFF-3°C), the adjustable range of switch-off temperature (ON+3°C) ~ 80°C

HOW TO SET

Hold “SET” for three seconds, the hour area will blink now you can be able to set the first time interval

STEPS TO FOLLOW

1. Press “▲▼” button, to set hour of the switch-ON time of heating.
2. Press “→” button to transfer to minute area, minute blinks on the screen.
3. Press “▲▼” button, to set minutes of the switch-ON time of heating.
4. Press “→” button to transfer to temperature area, temperature blinks on the screen.
5. Press “▲▼” button, to set the switch-ON temperature of heating
6. Press “SET” button, to access the setting program, set the switch-OFF time of the first interval section and its switch-OFF temperature, hour area blinks on the screen.
7. Press “▲▼” button, to set hour of the switch-off time of heating.
8. Press “→” button to transfer to minute area, minute area blinks on the screen.
9. Press “▲▼” button, to set minute of the switch-off time of heating.
10. Press “→” button to transfer to temperature area, temperature blinks on the screen.

11. Press “▲▼” button, to set the switch-off temperature of heating.

NB: To shut off one of the heating intervals, set the turning ON time and turning OFF time same value. When time is outside the preset time section, back-up heating will not be activated even when the tank temperature reaches the switch-on temperature heating.

The time in this controller is 24 hours, when you set time section, the switch-OFF time of heating should be later than switch-ON time. Example, if the switch-ON time is at 17.00 but the switch-OFF time of heating is 6.00, then this setting will not take effect, which means within this time section, heating function does not work. The correct setting should be 17.00 to 20.00 or 5.00 to 8.00.

For further information kindly contact us through

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