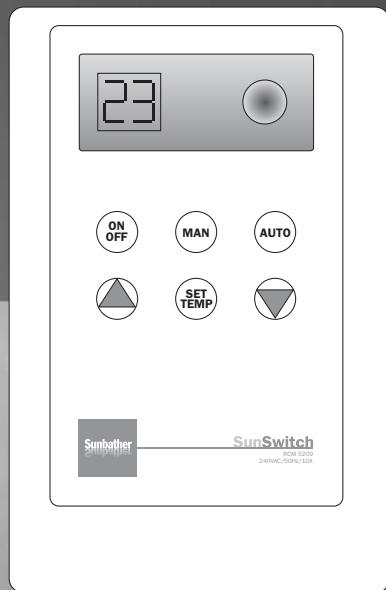
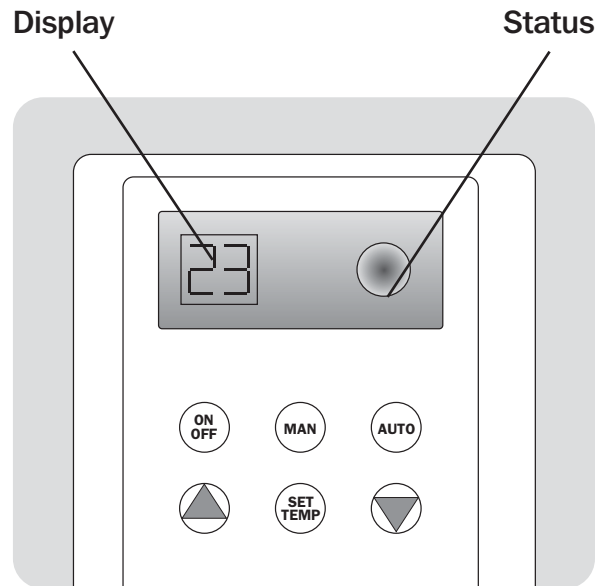


Sunbather SunSwitch Operating Instructions



PRIMARY FUNCTIONS



To Switch ON:

Push the ON/OFF button once to switch the unit ON (pool temperature reading will then display).

For Automatic Operation:

Press the AUTO button once for fully automatic operation (status light will then display).

In this mode the controller automatically switches the solar pump to heat the pool when weather conditions are favourable.

The status light pulses when the pump is on standby and remains on when the pump is running.

SECONDARY FUNCTIONS:

Manual:

Press the MAN button to run the solar pump at anytime (flashing status light indicates Manual mode).
Press AUTO button to exit Manual mode or wait 30 minutes for unit to revert back to Auto mode.
For continuous Manual operation, hold the MAN button down for 10 seconds. CO will appear in the display. Press AUTO to revert back to the Auto mode.

Winter Mode:

Hold ON/OFF button for 5 seconds (W will appear in the display). The solar pump will run for a 10 minutes period each day beginning from the time of setting.
Press the ON/OFF button again to exit winter mode.

To Read Roof Temperature:

Hold the Up Arrow button for 3 seconds.
This displays the roof sensor temperature for 5 seconds.

Heat and Cool Mode:

Hold the AUTO button for 10 seconds (display pulses continuously when in Heat and Cool mode).
Push AUTO button again to revert to normal operation.

SERVICE FUNCTIONS:

Start-up Diagnostic:

All lights, displays and non-volatile memory are checked on start-up. "EE" will flash in the display if a fault is found.

Sensor Fault Diagnosis:

A flashing "Er" display indicates a faulty roof sensor.
A non-flashing "Er" display indicates a faulty pool sensor.
Both sensors are non-polar 4.7K Ohm at 25°C thermistors with these temp/resistance ohm readings: 10°C - 9535, 20°C - 5902, 30°C - 3770, 40°C - 2480, 50°C - 1673, 60°C - 1156.

Electrical Specifications:

ΔT on 6°C. ΔT off at 2°C. Maximum relay overload 230V - 10A.

Readout Calibration:

To fine tune the temperature readings hold TEMP SET button down for 10 seconds until the display flashes. Pressing the up or down arrow buttons will change the units base settings one degree each press.
While in standby, the display reads the last recorded temperature.

Service Lock-Out Mode:

Hold AUTO & MAN buttons down for 10 seconds (LO appears in display). Controller will remain in Lock-Out for 2 hours before reverting to normal automatic operation.

SUNBATHER POOL TECHNOLOGIES

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SETTING THE TEMPERATURE



Select The Desired Temperature:

Press the **SET TEMP** button down and scroll up or down with the arrow buttons until the desired pool temperature is displayed.

The display reverts back to reading the pool water temperature after 5 seconds.

The pool set temperature can be read anytime by pressing the SET TEMP button.

INSTALLATION INSTRUCTIONS

Step 1

Fix wall mounting bracket on a vertical wall protected from direct rain and sun.

Step 2

Locate Roof Sensor (15.0m) on separate solar pad fixed adjacent to the solar collector. This pad must receive similar sun to the solar collector but not be in contact with it.

Step 3

Install the threaded pocket well into a section of pipework before the solar collector take-off and insert the Pool Sensor (1.8m) into the well.

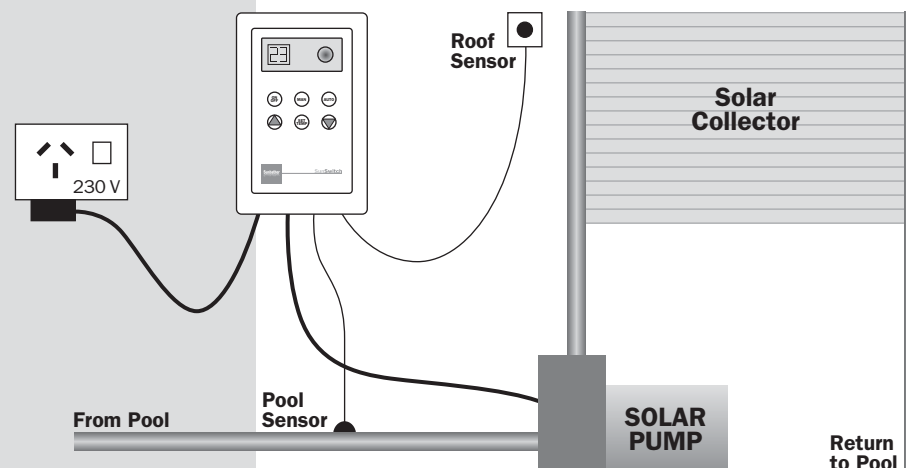
Step 4

Connect both Roof (red) and Pool (blue) sensors to the colour-matching connections on the controller. Slide unit into mounting bracket.

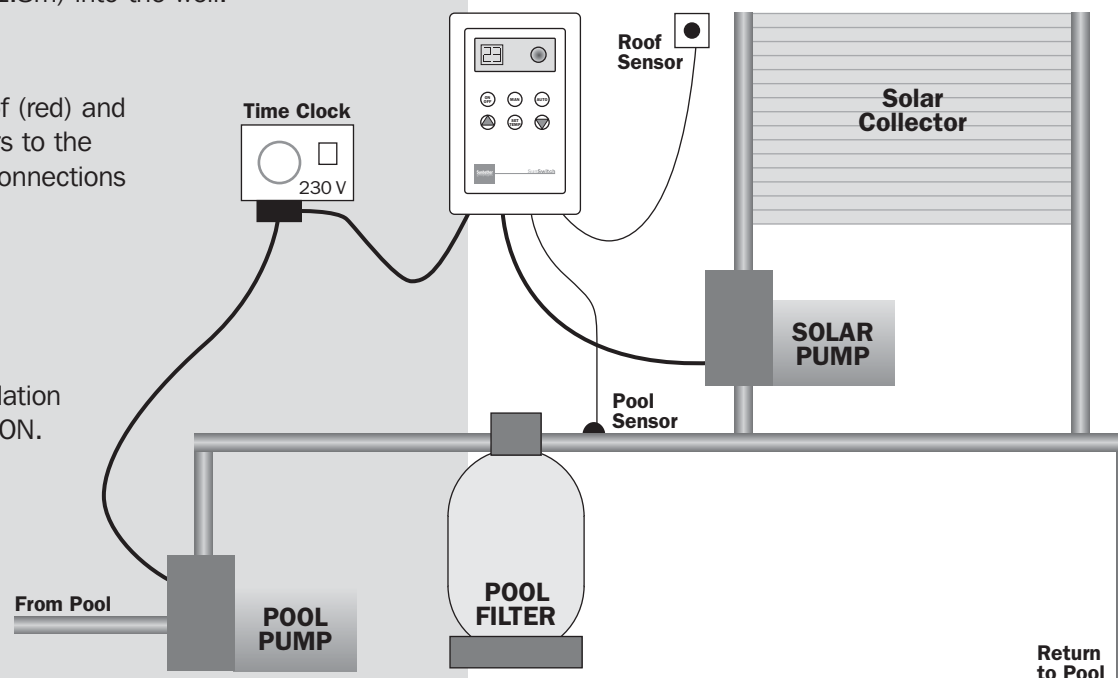
Step 5

Plug in solar circulation pump and switch ON.

OPTION 1: MOST NEW POOLS SEPARATE SOLAR PIPE SYSTEM



OPTION 2: EXISTING POOLS TAPPED INTO FILTRATION SYSTEM



Notes:

1. Joins in sensor cables must be soldered and waterproofed.
2. Option 2 requires the Time Clock to be set for daylight hours.
3. For any repairs, return to the supplier.