

# SUNSWITCH Q&A - ALL MODELS

QUESTIONS:

ANSWERS:

**CONTROLLER NOT TURNING ON?**

Unit may have been started in OFF. Press ON button to activate LED display.

If no power return the unit to Sunbather for assessment.

**'ES' MESSAGE IN DISPLAY?**

Unit has reached Set Temp and will not turn ON for 2.5 hours.

Check Set Temp is not too low. Recommended setting is 27°C to 30°C for domestic pools.

2.5 hours time-out cycle can be interrupted by turning power OFF at wall outlet.

**POOL TEMP IS READING TOO LOW?**

Run on Manual for 5 mins to update current pool water temp.

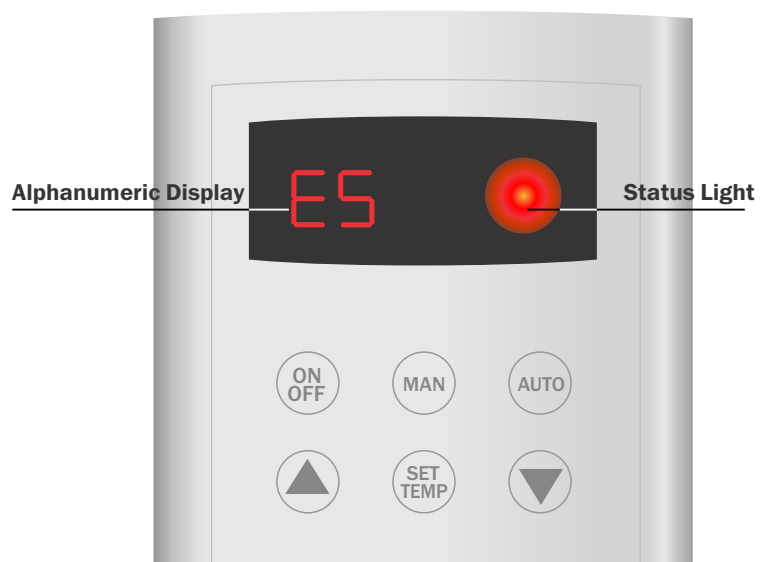
**WIRED** - If still reading incorrect temp then unit will need recalibrating. See next box.

**WIRELESS** - If still reading incorrect, unit could be in default count-down. Wait till next day to see if it restarts normally.

Hold SET TEMP button for 10 secs until display flashes. Use Up & Down arrows to recalibrate. Each press of the button changes the temp by 1°C.

## ALPHANUMERIC DISPLAY DIAGNOSTIC MESSAGES:

- 00** Roof Temp Sensor - 00 can indicate something has happened to the Roof Temp Sensor and it is close to open circuit.
- 00** Set Temp Button - 00 can also indicate that the base temp has been inadvertently re-calibrated to below zero and needs re-calibrating up to match the correct real time temperature.
- 99** Roof Temp Sensor damaged and close to short circuit.
- Er** [Steady] Faulty Cold Sensor.
- Er** [Flashing] Faulty Roof Sensor.
- CO** Continuous Operation.
- LO** Service Lock-Out.
- EE** Software Fault.
- WJ** Winter Mode.
- ES** Energy Saving Mode.
- 01** Default Shut Down.



# SUNSWITCH Q&A - WIRED MODELS ONLY

QUESTIONS:

ANSWERS:

**CONTROLLER IS ON BUT PUMP WILL NOT WORK IN EITHER MAN OR AUTO?**

Check if unit is in 'ES' mode - See previous page.

Check if Pump works in another power outlet.

Check if Pump is plugged into base of SunSwitch.

Check Roof temp by pressing Up arrow for 3 secs. If '00' appears in the display check for damaged Roof Sensor wires.

If Roof Sensor and wire are OK, return unit to Sunbather.

**'ER' MESSAGE IN DISPLAY?**

'ER' flashing indicates faulty Roof Sensor.

Check plug connections on sensor wires.

'ER' not flashing indicates faulty Pool Sensor.

Check for damage to sensor wires or bad electrical connections.

Repair or replace sensor and / or sensor wire.

If 'ER' message remains contact Sunbather.

**LED DISPLAY RANDOMLY SCROLLS THROUGH START UP SEQUENCE?**

This indicates that the unit has sensed abnormal conditions and has rebooted to protect its internal electronics from damage.

Reboot may be due to IMF interference from other pool equipment.

Reboot may be due to overload from faulty Pump . Check Pump and repair or replace.

Reboot may be due to poor 240V power supply at outlet.

Remove any excess coils in sensor wires and relocate SunSwitch away from EMI sources.



For more on SunSwitch visit the website at [www.sunbather.com.au](http://www.sunbather.com.au)  
If troubleshooting fails to resolve a problem contact Sunbather at:  
[info@sunbather.com.au](mailto:info@sunbather.com.au)

# SUNSWITCH Q&A - WIRELESS MODELS ONLY

QUESTIONS:

ANSWERS:

'ER' MESSAGE IN DISPLAY?

Check cold sensor wire and cold sensor. Repair if fault found.

ROOF TEMP READS '00'?

No transmission from roof since SunSwitch powered up.

Transmitter is faulty.

Replace transmitter and re-code SunSwitch.

Sun strength is too weak.

Wait for better conditions.

Transmitter out of range.

Place transmitter closer to SunSwitch or install extension aerial. Contact Sunbather.

ROOF TEMP READS '01'?

SunSwitch is in default shut-down.

Wait 24 hrs for the unit to restart automatically.

If '00' appears when searching for a transmitter press MAN to start another search. If '00' appears again, repeat the process by pressing MAN until at least 5 searches have been completed.

If a different Roof Transmitter code is found contact Sunbather.

CONTROLLER IS ON BUT PUMP WILL NOT WORK IN AUTO?

Check Roof Transmitter for signal - see PAIRING PROCEDURE.

Pump relay may be faulty.

Test Pump in another power outlet.

Auto operation may be delayed several minutes if the unit is in default countdown.

Press UP arrow for 3 secs to check Roof Temp. A lower than normal reading may indicate the unit is in default countdown and Auto operation may be delayed for several minutes. Wait 5 mins and check Roof Temp again.

If a Roof Temp search shows '00' that indicates that there has been no signal from the roof since the unit was powered up. See '00' box above.

# SUNSWITCH Q&A - WIRELESS MODELS ONLY

QUESTIONS:

ANSWERS:

**CONTROLLER IS ON BUT PUMP WILL NOT WORK IN MANUAL?**

Check if Pump is plugged into base of SunSwitch.

Pump will not run until a successful signal has been received from the Roof Transmitter since powering up.

Transmitter only works if there is at least enough sun to cast a weak shadow.

Check if Pump works in another power outlet.

Check Roof Transmitter pairing procedure to see if there enough sun to work the transmitter.

PAIRING PROCEDURE:

**TO CHECK PAIRING OF SUNSWITCH AND ITS ROOF TRANSMITTER?**

- STEP 1. Hold down AUTO button for 10 secs to put unit into Programming Mode. The 6 digit serial number will scroll across the LED display, e.g. 000603. This should match the code printed on the back of the SunSwitch box.
- STEP 2. Press the DOWN arrow once to search for the Roof Transmitter. If the same number appears e.g. 000603 then the unit is successfully matched with the transmitter.
- STEP 3. Press the DOWN arrow again to display the signal strength, e.g. 6.8 means 68% of full strength. There will automatically be a new transmission every 10 seconds.
- STEP 4. Press the AUTO button to return to Auto operation.

REPLACEMENT PAIRING PROCEDURE:

**HOW TO TEST THE PAIRING OF SUNSWITCH WITH A REPLACEMENT ROOF TRANSMITTER?**

- STEP 1. Place the replacement Roof Transmitter in the Sun (preferably at ground level). It will transmit every 10 secs. Take note of its unique 6-digit number (stamped on the transmitter fascia).
- STEP 2. Hold down AUTO button for 10 secs to put unit into Programming Mode. The 6 digit serial number will scroll across the LED display, e.g. 000603. This should match the code printed on the back of the SunSwitch box.
- STEP 3. Press the DOWN arrow once to start the search for the replacement transmitter's 6-digit number.
- STEP 4. Once the replacement transmitter's number scrolls in the display, press SET TEMP to link the transmitter and the SunSwitch.
- STEP 5. Press AUTO to exit Programming Mode and return to normal operation.
- STEP 6. The Roof Transmitter can now be fixed in its roof location and steps 1-4 of the normal pairing procedure above can be repeated to test signal strength and final commissioning.