

Operation of the cover is achieved using the 3 position key-switch which is located on the grey plastic control box or in a convenient location remote from the control box.



This switch should be located so as the operator has a clear view of the pool: to prevent closure of the cover when there are still swimmers in the pool or when there are obstacles floating in the pool.

The travel of the cover while opening or closing can be stopped using the switch at any time. The fully open or fully closed positions of the cover are defined by limit switches which will stop the cover automatically in these positions and are adjusted during commissioning by the installer.

There are three mechanisms built into the CPS system that will stop operation of the cover in order to avoid damage from incorrect water level (too high or low). These are:

- i. A “low water level” probe is installed behind the motor compartment for protection. If the water level of the pool drops below this probe for a predetermined amount of time, the cover will be prevented from operating and the water fill solenoid valve will open. This situation is clearly indicated by the lights on the front of the power supply. The cover will recommence operating once the pool water level contacts the “low water level” probe for a predetermined period of time.
- ii. A “high water level” probe is also installed behind the motor compartment for protection. If the pool water level rises to the point where it contacts this probe, the cover will be prevented from operating. This situation is clearly indicated by the lights on the front of the power supply. The cover will recommence operating once the pool water level is lowered to the point that it does not contact the “high water level” probe for a predetermined period of time.
- iii. An “emergency cut-out” switch provided at the motor location in the pit containing the cover. This will prevent the operation of the cover if pool water level is too high or the cover is obstructed during its movement while closing. The switch mechanism consists of an arm which rests on the top surface of the cover under normal operating conditions. When the arm is forced upwards by a cover malfunction or high water level the switch function prevents cover operation.

Note: If the pool cover ceases to operate, refer to the following procedure:

- a) Check that the power supply is plugged in and switched on.
- b) Check whether the “high water level” or “low water level” probe lights on the power supply are illuminated. If the “high water level” light is “on”, check that the overflow pipe is free from blockage and/or pump excess water to waste as required to achieve the correct water level. If the “low water level” light is “on”, wait for the water level solenoid to fill the pool to the correct level, or manually fill if required.
- c) Check that the “emergency cut-out” switch is not in the “up” position due to excessive water level or through the cover being bound up in the pit. If excessive water level has caused the “emergency cut-out” switch to operate, lower the pool water level to the correct operating height by pumping excess water to waste. If the cover is bound up in the pit, contact Sunbather for service.

Rules of operation:

1/ Always clear the pool of people and floating objects before closing the cover: safety of swimmers is paramount and objects can be drawn into the cover roller and cause damage during the opening cycle.

2/ Do not restrain the cover in any way while it is opening or closing.

3/ Although an automatic water level device is recommended and probably fitted to your pool, make sure that water level in the pool is maintained so that the cover floats above the dividing wall between the pool and storage pit. If water level is too low it will foul on the dividing wall. If water level is too high it will foul on the underside of the beam spanning the pool.

Maintenance:

1/ Cover to roller attachment straps should be inspected annually for wear.

2/ Cover guide straps connected to a stainless steel weight in the cover pit should be inspected at the same time: *all attachment and guide straps are necessary for correct blanket operation. None should be missing or broken.*

3/ Cover use will result in excess chlorine being produced if the output has not been lowered from uncovered pool levels. Excess chlorine will reduce the life of both the cover and the mechanism. Lower the chlorine output to normal levels.

3/ If the cover ceases to operate due to an electrical fault, call for service.

