

## **Enhance Solar Savings**

### **Congratulations on the purchase of your WaterLite solar water heater!!**

We are confident that you will experience many years of hot water from the sun. Here are a few pointers as to how you could maximise your savings.

As you know an electrical timer has been installed in the electrical distribution board for the electrical backup.

This timer is an automatic switch, it turns electricity on and off to the geyser. Essentially it is for those particularly cold or overcast days or when hot water usage exceeds that of the capacity of the solar geyser.

***The idea is that there should be no electricity available to the solar geyser during sunlight hours, let the sun heat the water in the solar geyser.***

### **How it Works**

A solar geysers primary source of heat is the solar collector.

In the event that the collector is unable to generate sufficient heat the secondary heat source, the electrical backup, kicks in and elevates the water temperature within the solar geyser to a predetermined temperature (approx. 55 degrees Celsius), this is controlled by the thermostat. This temperature can be adjusted through opening the electrical cover on the side of the solar geyser and adjusting the thermostat to the desired temperature.

While the thermostat manages the temperature of water within the solar geyser the timer manages the availability of electricity to the electrical backup.

When the timer displays "on" it means electricity is permanently available to the solar geyser day or night. Similarly when the timer displays "off" it means electricity is permanently unavailable. When the timer displays "Auto" it means the electricity is turned on and off as per the timer settings.

The timer is pre-set to two sessions the first session is from 3am to 6am and the second session is set from 3pm to 6pm. This means that electricity is only available to the solar geyser between those times. This is more than sufficient to heat the water to the required temperature.

## **How to Enhance Solar Savings**

Ensure your timer displays the correct time and day.

***Don't turn your geyser circuit breaker off in the electrical board***, rather turn your electrical timer to "off" or pre-set your timer to suit your usage and leave it in the "Auto" mode.

Turning the circuit breaker off will let the electrical timers battery run flat and when the electrical backup is required electricity will be unavailable.

For Further info please contact Time Count on (011)882-3105

Or Visit [www.waterlite.co.za](http://www.waterlite.co.za) and select the manuals tab and select your timer for a full timer manual

## **Maintenance of Your WaterLite Solar Geyser**

The WaterLite system has been designed to offer a solar water heater with minimal maintenance.

As WaterLite solar geysers do not make use of glycol as a heat transfer medium and the tank is made from 444 stainless steel, maintenance is automated or eliminated.

The temperature and pressure valve should be replaced every 3 years. This can be done by a qualified plumber.

A visual inspection of the tubes should be done as and when, any discolouration in the tubes would indicate a broken tube, broken tubes should be replaced.

For further info please visit [www.waterlite.co.za](http://www.waterlite.co.za) and select the manuals tab and select the WaterLite user's manual.