

# DOMESTIC HOT WATER CONTROLLER

## MODEL: DHW



## DHW Features and Operations

The DHW has been specifically designed for Domestic Hot Water installations. Using a purpose built solar panel the controller will endeavour to heat the tank water to 75°C, and hold it at this temperature. The controller does this by using sensors to sense both the solar panel and the tank water temperature. When the solar panel temperature raises 9°C above the tank water the controller will turn the pump ON to circulate the water through the solar panel. If the tank water reaches 75°C, or the solar panel temperature decreases to within 5°C of the tank water, the pump will turn OFF. There is also a built in freeze protection which will turn the pump ON if the solar panel temperature decreases to 3°C. The pump will turn OFF once the panel temperature has risen to 5°C. This feature will avoid the solar panel and the pipe work freezing.

Additional features include, Lights that to indicate Power ON, Pump ON, Tank Sensor Error and Collector Sensor Error.

**Specifications: -**

- **Maximum tank temperature**                      **75°C**
- **Maximum collector temperature**              **250°C**
- **Freeze protection**                                **3°C to turn ON**  
   **5°C to turn OFF**
- **Tank/Collector differential**                      **9°C to turn ON**  
   **5°C to turn OFF**
- **Maximum load**                                      **240Vac 10 Amp**



**Roof and Tank Sensors**