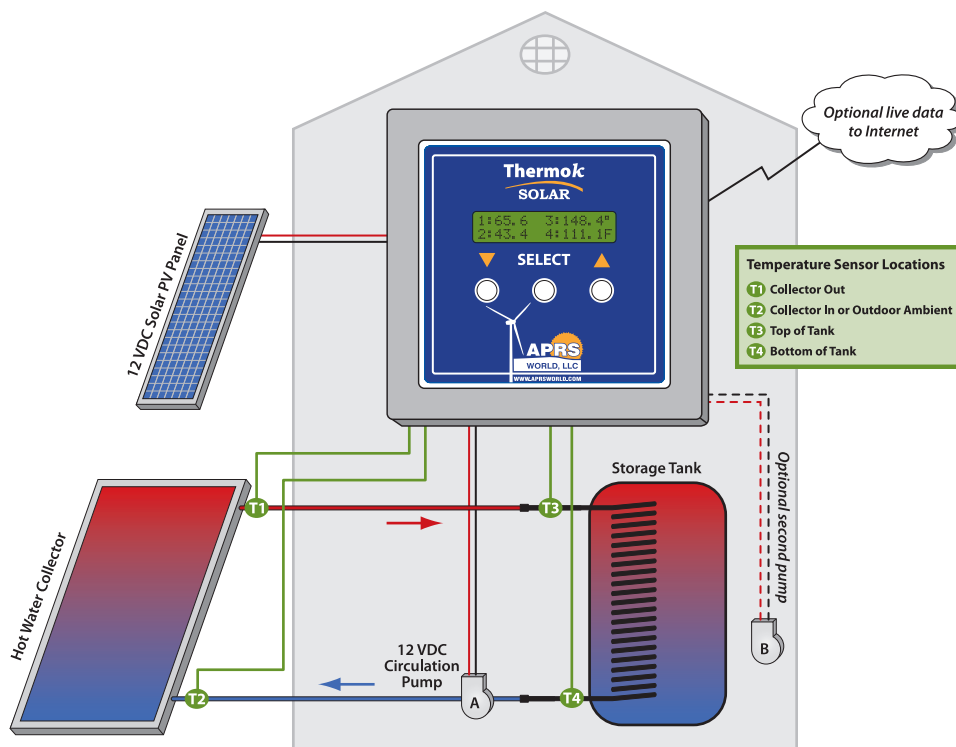




Thermok SOLAR



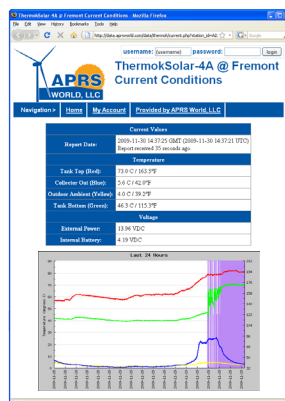
Differential Temperature Controller (PV Direct with no outside power!)

The **ThermokSolar-4A** is a solar heating differential temperature controller for PV and DC powered applications. It is configured with four temperature sensor channels, an LCD display for real-time view and easy programming, and two solid state DC relay outputs. Designed to run directly from a PV panel, the **ThermokSolar-4A** is unique in the industry in that it requires no outside power.



Thermok SOLAR	
Measurement Inputs	
Four 10K Thermistor	Typically measure -40°C to 150°C (-40°F to 302°F) Screw terminals and RJ-45 wired in parallel
Optional Pulse Counter	Screw terminals
User Interface	
16x2 Character LCD, backlit	
Three push buttons	
Temperatures update once per second	
Relay / Alarm status visible	
Power	
Lithium polymer battery (included)	
Charging input, 7 to 38 volts DC	
Can run directly from 12 volt PV panel for batteryless and gridless systems	
Relay / Alarm Outputs	
2 x DC relay, solid state, 6 amps @ 39 volts DC max	
Independently programmable for: <i>Differential Control</i> <i>On above temperature set point</i> <i>On below temperature set point</i> <i>Always On</i> <i>Always Off</i>	
RS-232 Communications (optional)	
ASCII or binary data, selectable	
Screw terminal, 4 position	
Data compatible with our World Data internet service	
9600 to 57600 baud	
Can enable / disable Morningstar Tri-Star based on temperature	
Physical	
Mounts in double gang electrical box or panel	
3.2cm (1.25") deep	
 	

APRS World offers our **'World Data'** service free for our customers. Using an optional internet gateway module, our products can send live data to our hosted data service. Using your web browser you can view live and historical performance data and graphs. This allows your customer to see how their system is performing and allows you to troubleshoot the system without getting in your truck.



APRS World, LLC specializes in data logging and control equipment primarily for the renewable energy industry.