

## DELTA-T SOLAR THERMAL PRO CONTROLLER DLTA PRO

**DELTA-T PRO:** The Pro controller is the most advanced version of the Delta-T line of controllers. The Delta-T Pro comes with complimentary remote monitoring, advanced storage capabilities and functionalities. Additional relays and sensor input options make the Pro controller suitable for all types of solar water heating system applications.

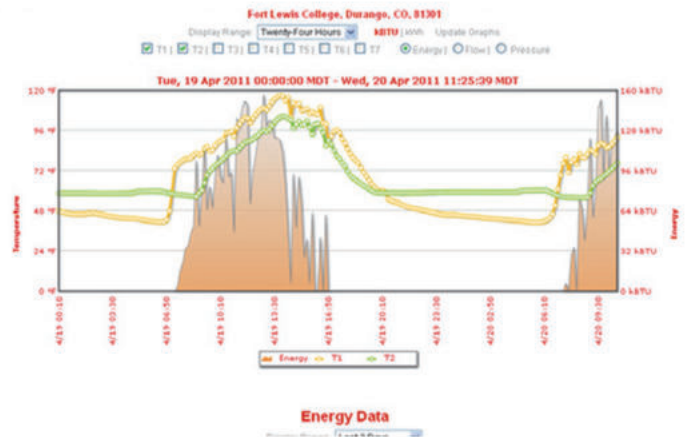


### Features

- 5 program configurations available (open loop DHW, closed loop DHW, Pool, Space heating, Commercial)
- 5 thermistor sensor and 3 pump relays
- Waterproof version available for pool systems

### System Requirements

- DSL, cable or other broadband internet connection
- Open, WPA or WPA2 network authentication/encryption  
Wi-Fi router (WEP not supported)
- Internet browser (e.g. Firefox, Chrome, Safari)
- Flow sensor installed for energy monitoring



### PRO WEB MONITORING FUNCTION

Pro controllers come standard with the ability to communicate via a web monitoring system which allows the installer or end user access to the solar hot water system controller from anywhere with an internet connection. By simply logging onto a dedicated website for the controller, the user can view and make system adjustments miles away from the actual solar hot water system.

# TECHNICAL SPECIFICATIONS CONTROLLER DETAILS

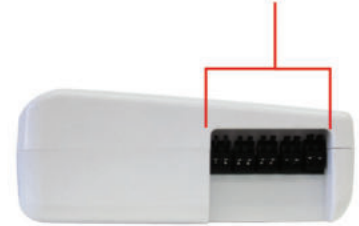
Digital Flow sensor detects both fluid flow and temperature of the solar fluid exiting the heat exchanger

4 inputs for 24 VAC thermostat zone detection (e.g. space heating)

5 sensor inputs are available for precise temperature readings



2x 4-20 mA output controlled current for optional pump speed control



Digital Flow sensor detects both fluid flow and temperature of the solar fluid exiting the heat exchanger

Pulse flow meter (optional\*)

T1 Collector out  
T2 Storage low  
T3 Storage high\*  
T4 Energy out\*  
T5 Outdoor (ambient)\*



Relay 3: (Pro) - Used for extra functions such as: timer relay, electric ignition of bottom fired gas water heater, pool pump operation, secondary independent temp. differential or aquastat operation

Relay 1: Operates the solar loop pump

Relay 2: (Pro Lite) - Used for timer relay, aquastat operation or as additional independent temp. differential. (Pro) - Used for aquastat operation with optional zone detection.

\*Sensors not included w/base Heliodyne packages/models

Note: If using non-Heliodyne sensors, consult with Heliodyne for compatibility

MODEL	DLTA 000 001	DLTA 000 002	DLTA 000 004	DLTA 000 006
Model Type	Pro	Pro	Pro	Pro
Voltage	120*	120 or 240	120 or 240	120*
AC Power Cord	Yes	Yes	Yes	Yes
Thermistor Temp Sensor Inputs	5	5	5	5
Relays	3	3	3	3
Waterproof	No	No	Yes	Yes
Energy Metering	Yes	Yes	Yes	Yes
Internal Flash Memory	36 hours	30 days	30 days	36 hours
Program Settings	OL DHW CL DHW Pool, Space, Commercial	OL DHW CL DHW Pool, Space, Commercial	OL DHW CL DHW Pool, Space, Commercial	OL DHW CL DHW Pool, Space, Commercial
Network Connection/Web Monitoring	Ethernet	Wi-Fi	Wi-Fi	Ethernet
Vortex Flow Sensor Input	Yes	Yes	Yes	Yes
Relative Pressure Sensor	Yes	Yes	Yes	Yes
Connectivity To Single Gas Tank (w/electric ignition)	Yes	Yes	Yes	Yes
Electrical Circuit Monitoring	Yes	Yes	Yes	Yes
Pyrometer Input	Yes	Yes	Yes	Yes
Pulse Flow Meter Input	Yes	Yes	Yes	Yes
Dimensions	7" h X 6.5" w	7" h X 6.5" w	7" h X 6.5" w	7" h X 6.5" w
Warranty	3 years			

\*240 VAC available upon request

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