PowerTraker ™ Monitor / Control / Log Data

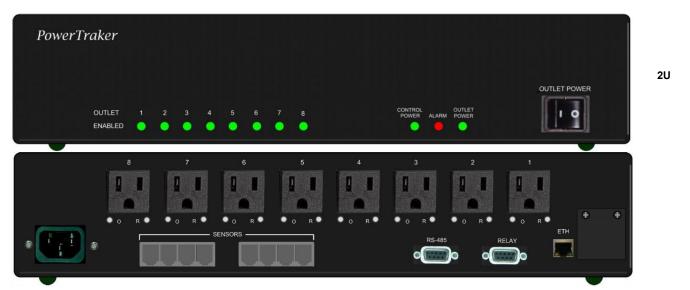
The PowerTrakerTM (PT) is a controller that can be used to monitor AC power parameters, CO^2 , temperature, humidity, soil moisture and parameters from a variety of other sensors, log the data and switch loads ON or OFF based on the measured parameters.

Programmable features allow you to view and plot power parameters, remotely switch loads ON or OFF, provide start up or shut down load sequencing and automatic status reporting.

There are four methods of communication with the PT that provide flexibility for many applications.

A wide range of hardware features are provided to fit many applications.

Specialized hubs are available to expand the system.



The PT can be provided in a rugged 19" rack mount product or bench top version. Optional features are available. Contact PDS for details.

The *PowerTraker* allows remote operation of the following features:

- Monitors voltage, load current, and power parameters for each AC load and monitors sensor data.
- Application configurable interface allows personal identification of outlets.
- Time stamped data logging for individual outlet parameters that are stored in internal memory for plotting or a Comma Separated Value (CSV) file data transfer to your PC.
- Allows individually switching outlets ON or OFF at programmed intervals or in response to changing AC load conditions or sensor inputs.
- Can send your customized email message using SNMP to any email address. Email notifications (alarms) can be triggered by over/under conditions of senor data.
- Graph and display voltage, current, power parameters for individual outlets as well as sensor data.
- User programmed alarms for under/over current (or other parameters) may be used to activate the user controlled general purpose relay.
- Control of multiple PowerTraker installations.

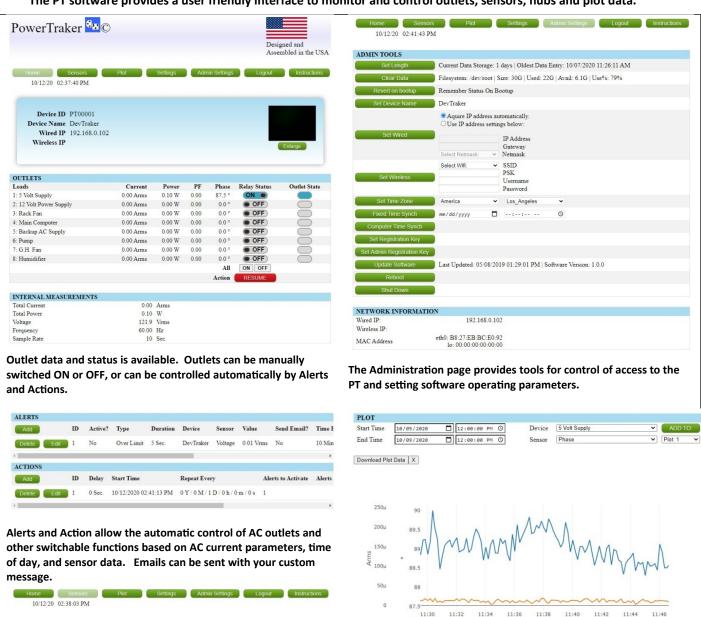
Price: \$5,425. Includes one temperature sensor.

Contact Phil Duerfeldt, Duerfeldt Engineering, 503-620-3552, Toll Free 1-888-620-3552, phil@duerfeldtengineeering.com Power Development Solutions, LLC pds-design.com 971-470-3139

Rev.3

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The real time status of Sensors and Hubs are available. The sample rate is manually settable.

ONEWIRE 28.D6CC170A0000 ONEWIRE 10.7DB879030800

ONEWIRE 28.71C5170A0000

Hubs are available.

All data can be plotted or uploaded. Data can be plotted individually or on the same plot.

PowerTraker Accessories

SENSORS ID

ONEWIRE 28.D6CC170A0000

ONEWIRE 28.71C5170A0000

Below are Sensors and Hubs available to use with the PowerTraker. Contact Power Development Solution for details. **Temperature Light Lux level DC Voltage & Current** Sensor Hub **Relative Humidity** PAR Light Level AC Voltage & Current **Power Hub** CO² **Camera Visible** Water Hub Watt/voltage/amps/PF **Soil Moisture Camera Infrared Barometric pressure** Soil Moisture Hub Lysimeter Air flow rate **Altitude** Camera Hub PH level Water flow rate Wind Speed Field Hub

Sample Rate