POWERSCOUT™ 24

HIGH-PERFORMANCE MULTI-CIRCUIT MONITORING

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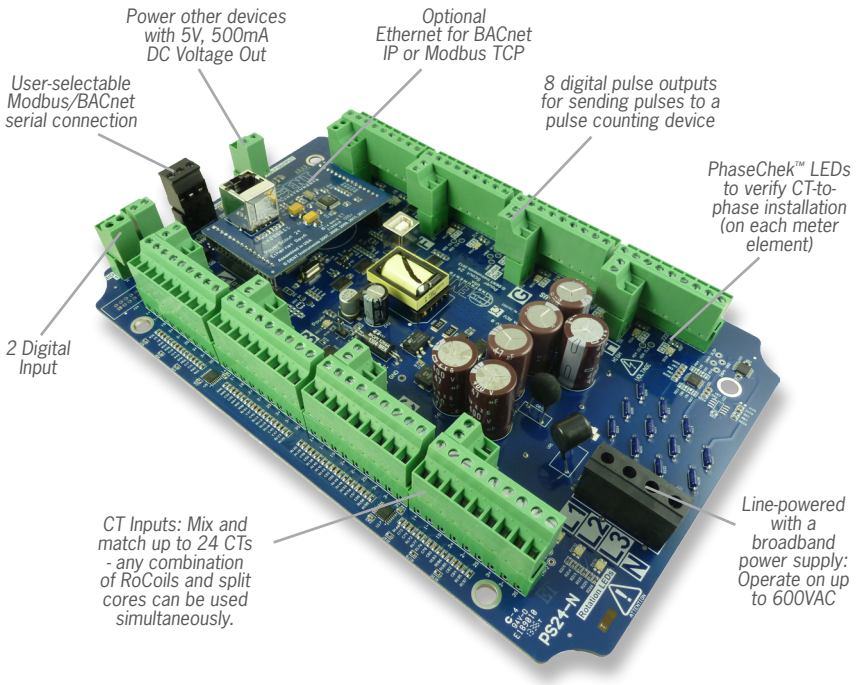
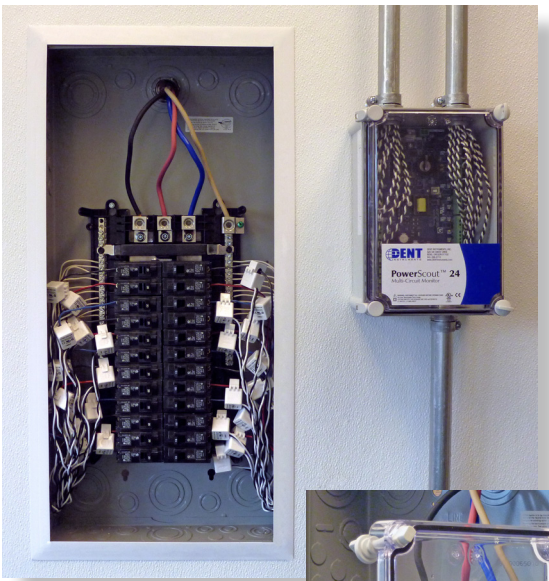
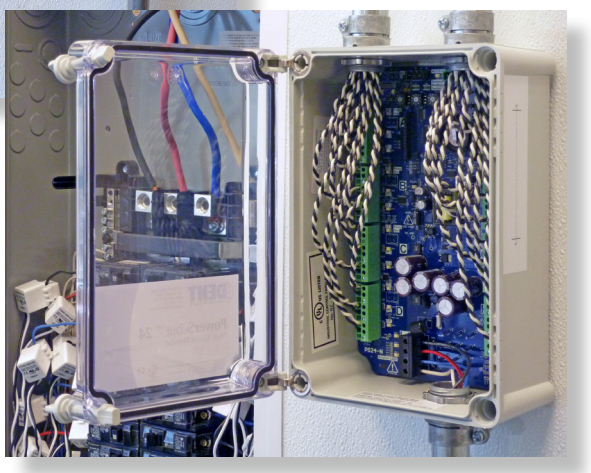
POWERSCOUT 24 ANATOMY





Left: The PowerScout 24 can use up to 24 CTs to measure any combination single or three-phase loads. Mix and match any of DENT's RoCoil or Split core CTs to monitor building mains and smaller loads simultaneously with a single meter.



Right: The PowerScout is line-powered and the broadband power supply accommodates voltages from 80-600VAC.

MAXIMUM FLEXIBILITY FOR HIGH-DENSITY MONITORING

The PowerScout 24 is a versatile, multi-channel instrument. The modular design allows it to be configured for monitoring multiple electrical circuits (sharing a common voltage source) or for current-only monitoring of branch circuits. It can be supplied with virtually any combination of DENT's internally-shunted split-core or RoCoil CTs. Monitor any combination of up to 8 three-phase or 24 single-phase electrical devices with the PowerScout 24.

With data updates every 1 second and accuracy better than 1% (depending on CT), the PowerScout 24 is well-suited for data center monitoring, tenant sub-metering, and for accountability metering in commercial, retail, and industrial facilities.

The PowerScout 24 is available as a bare circuit board (UL Recognized) or with a convenient rugged enclosure (UL Listed).

COMMUNICATIONS: INDUSTRY-STANDARD MODBUS OR BACNET

Communications interface to the PowerScout 24 can be accomplished through standard serial RS-485 or USB, or optional Ethernet. The PowerScout can use either the BACnet IP or MS/TP protocol or Modbus TCP or RS-485 protocol for sending commands or retrieving data.

FOOL-PROOF INSTALLATION

The PowerScout series instruments are line powered and do not require external power. Its power supply can accommodate service voltages ranging from 80-600V (phase-to-phase). DENT's patented PhaseChek™ circuitry includes a 3 LED indicator display that confirms proper CT-to-phase installation.

OTHER STANDARD FEATURES

Pulse Output

The PowerScout 24 features 8 digital outputs - one per meter element. Use these digital outputs to send kWh or other pulses to a pulse counting device, such as a datalogger.

Pulse Input

The PowerScout 24 has two digital input ports which are used to count, accumulate, and scale pulses received from non-DENT external pulse initiating meters such as gas, water, or other electrical meters.

Power Out

In addition, the PowerScout 24 has a 5VDC, 200mA power out to power other devices such as a radio or gateway device.