

elecsys WATCHDOG SCOUT

Remote Monitoring w/Interruption

The Watchdog Scout combines the installation simplicity of our VIP system with the advanced, web-based interruption capabilities of the groundbreaking Watchdog Mesh system. The Scout is designed to withstand all the challenges encountered in CP rectifier monitoring applications. The compact sized, lockable NEMA4x enclosure provides a secure, protective environment for the state of the art electronics. Advanced, self-testing circuitry automatically verifies the channel calibration to a known, stable voltage with every reading. This assures the most accurate reading available, every time.



FEATURES



Surge protection tested (conducted voltage test per IEC 61000-4-5 specifications)



New, "Automatic Calibration Verification" circuitry assures precision measurement accuracy every time



AC power failure detection



4 analog measurement channels, 2 digital input channels (dry-contact, pulse accumulation), AC mains on/off detection channel (probe included), GPS synchronized current interruption



2-way cellular or satellite telemetry options for reliable communication anywhere in the world on demand



Rectifier interruption with 'fail-safe' dual-relay system

APPLICATIONS

- CP rectifier monitoring applications
- Initiate/schedule group interruption cycles
- Digital, dry-contact status monitoring with alarming
- Pulse-counter/accumulator for meter-reading applications
- LCD User Interface

SPECIFICATIONS

Communications	Digital cellular Satellite Modbus (RS232) RTU slave connection for use w/customer supplied SCADA data radio
Operating Environment	Temperature: -40°C to +85°C (-20° C to +70° C in battery backup power mode) Humidity: 0—100% non-condensing Enclosure rating: NEMA 4X polycarbonate
Power	110-240VAC into included step-down transformer Rechargeable backup battery for alarm notification of power failure Power consumption: 7.2W @ 15V typical, 22.7W @ 15V transmitting and interrupting
Size	NEMA4x Enclosure: 14" (20.3 cm) X 12" (25.4 cm) X 6" (10.2 cm)
Outputs	2 relay control outputs
Inputs	4 analog measurement channels 2 digital dry-contact/pulse accumulator channels 1 AC detection probe input
Interrupter Module	GPS synchronized Syncs with all popular portable interrupters Relay system (rated to 35A max switching load) <ul style="list-style-type: none"> • "Mercury free" solid state DC with mechanical bypass dual relay system
Measurement Accuracy	Rectifier voltage input: Range = +/-200V, measurement accuracy better than +/- 100mV Rectifier current input: Range = +/-100mV, measurement accuracy better than +/- 100uV Potential input: Range = +/-10V, measurement accuracy better than +/- 100uV

Product specifications are subject to change

Protected by one or more of the following US patents or patents pending: 6,774,814; 6,822,432; 7,068,052; 7,317,321; 7,859,403; 13/053970

The Scout has been rigorously tested to withstand voltage surges up to 7500V at 3500A using conducted voltage testing per IEC 61000-4-5 specifications. This test method most closely correlates with the lightning and input power surges encountered by remote monitor equipment in the field.

The powerful Pipeline Watchdog web interface provides instant visibility to the status of your field assets, and simplifies multiple rectifier GPS-synchronized interruption, group polling, and automatic compliance report generation.

Please visit us at www.elecsyscorp.com

MAJOR MARKETS



Oil



Gas



Water



Electrical