

WATCHDOG SCOUT

REMOTE RECTIFIER MONITORING WITH INTERRUPTION

RUGGED, RELIABLE AND TRUSTWORTHY.

The Elecsys Watchdog Scout is the most reliable solution for rectifier monitoring and GPS synchronized current interruption. Rigorously tested and field-proven to withstand voltage surges up to 7500V at 3500A, the Watchdog Scout thrives in the harshest environments - even in high lightning strike areas. Available in a variety of configurations, the Watchdog Scout is simple to install, programmable on-site or over the web, and sets the industry standard for remote monitoring of CP systems.



WATCHDOG SCOUT

Key Features:

- Instant visibility to field asset status and automatic compliance report generation.
- Surge protection tested (conducted voltage test per IEC 61000-4-5 specifications)
- 2-way cellular or satellite telemetry options for reliable on-demand communication anywhere in the world
- AC power failure detection
- Programmable over the air or on-site using the front panel LCD interface
- 24/7 data access and interruption control from any web enabled device using the powerful Elecsys Connect web interface

APPLICATIONS



24/7/365 continuous CP rectifier monitoring



Individual site, group, or system-wide GPS synchronized current interruption control



Pulse-counter/accumulator for meter-reading applications



Digital, dry-contact status "tamper alarm" monitoring



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The Elecsys Watchdog Scout has more useful features than any rectifier monitor system on the market. This means more benefits for your cathodic protection program.

Elecsys Watchdog Scout benefits:

- Programmable over the web or locally using the onboard LCD display and navigation buttons
- “Fail-safe” dual relay current interruption capability
- Advanced, self-testing circuitry automatically verifies the channel calibration to a known, stable voltage with every reading.
- Extremely reliable in very harsh settings (i.e. high voltage electrical and lightning surges)

MAJOR MARKETS



OIL



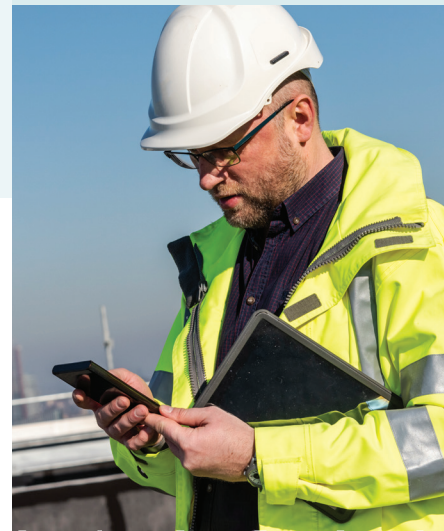
GAS



WATER



ELECTRICAL



PRODUCT SPECIFICATIONS

Communications	Digital cellular Satellite Modbus (RS232) RTU slave connection for use w/customer supplied SCADA data radio
Operating Environment	Temperature: -30° C to +70° C (-20° C to +70° C in battery backup power mode) Humidity: 0–95% 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
Enclosure	7" (17.7 cm) x 9" (22.9 cm) x 4" (10.2 cm) standard enclosure, or 14" (35.5 cm) x 12" (30.5 cm) x 6" (15.2 cm) integrated components enclosure (integrated enclosure rated to 40 Amps maximum)
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 any GPS equipped interrupters Relay system (rated to up to 100A max switching load) Optional "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

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WATCHDOG SCOUT
IS THE MOST RELIABLE
RECTIFIER MONITORING
SYSTEM I’VE EVER
WORKED WITH.”

Manufactured in the USA

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