

elecsys WATCHDOG VIPx

Remote Monitoring System

The Watchdog VIPx is specifically designed for most rectifier monitoring applications. Features include pre-configured, dedicated analog measurement channels for volts, current, and pipe to soil. Unit is equipped with an AC Probe to detect and monitor the rectifier input power. An additional dry contact digital channel can be used for momentary alarm monitoring (door alarm for intrusion detection for example), or for status monitoring (valve position, etc.).



FEATURES



Cost-effective, easy to use, CP rectifier monitoring system



Lightning/power surge-resistant circuitry



LCD display for on-site information



Power via external 10-35 VDC or 12-25 VAC



Rechargeable NiCd backup battery for alarm notification in the event of a power failure



Inputs - 3 analog, 1 digital and 1 AC detect digital input (using included AC Probe)

APPLICATIONS

- Specifically designed for basic rectifier monitoring applications
- Factory configured to monitor Rectifier Voltage, Current, and Pipe to Soil Potential
- Additional inputs for:
 - Digital dry contact input (alarm or status monitoring)
 - Rectifier input power monitoring

SPECIFICATIONS

Part Number	CDMA Cellular telemetry: VIPx-N1 GSM cellular telemetry: VIPx-N2 Satellite telemetry: VIPx-S1 External antenna kit: 48-0003-21
Operating Environment	Temperature: -40°C to +85°C (-20o C to +70o C in battery backup power mode) Humidity: 0-95% non-condensing Enclosure: Lockable NEMA 4X polycarbonate
Power Options	Power required: 10-35 VDC or 12-25 VAC external power input Internal rechargeable NiCd battery pack provides backup power for alarm notification in the event of a power failure Power consumption: 3.5W @ 15V typical, 20W @ 15V transmitting
Size	6.5" (155 mm) X 8.5" (215 mm) X 4" (102 mm)
Installation	Universal brackets included for mounting inside rectifier cabinet, pole mount or post mount Connection cables: 1ea 7' (2.1m) power cable, 1ea 7' (2.1m) measurement cable
Inputs	Channel 1 - Rectifier voltage +/- 200 VDC (+/-1%) Channel 2 - Rectifier current (amps) +/- 100mVDC (+/-1%) Channel 3 - Pipe to soil potential +/- 10 VDC (>10 MΩ input impedance, +/-1%) AC probe - Detects rectifier AC mains input voltage electric field Dry-contact digital input for alarm or status reporting (intrusion alarm, valve position, etc.)

Units come factory configured as Ch 1- volts, Ch 2- amps, Ch 3- pipe to soil potential (required reference cell not included). Dedicated channels that greatly simplify installation at any rectifier location. Compact, NEMA 4x lockable enclosure provides reliable protection from tampering and environmental damage.

Using field-proven Watchdog lightning surge-resistant circuitry, the Watchdog VIPx is the best choice for any standard CP rectifier monitoring application.

Please visit us at www.elecsyscorp.com/vipx

MAJOR MARKETS



Oil



Gas



Water



Electrical