

HOCKWAY

WatchdogCP

Satellite Remote Monitoring and Control on your desktop



HOCKWAY
CP MONITORING UNITS

www.hockway.com



CP Remote Monitoring Units (RMUs) – WatchdogCP™ and CARMS.

Hockway's innovative and proven WatchdogCP™ and CARMS Remote Monitoring and Control Systems (RMU) uses the latest technology to allow you to track and adjust all of your CP systems from your desk.

Wide range of monitoring functions

Our RMUs can monitor all analogue and digital signals including:

- TR Voltage
- TR Current
- Structure Potentials
- Power availability
- Local alarms



Wide range of control options

The RMUs can control analogue and digital devices including:

- Potential control
- Voltage or current control
- Switching coupons
- Rectifier on/off

WatchdogCP™ RMU

Watchdog uses wireless technology for more flexible, easier installation and for surge protection. The WatchdogCP™ can monitor, control and collect data from any remote location in the world including:

- Transformer Rectifiers
- Solar DC DC units
- Critical Bonds
- Test posts
- The unit can be retrofitted to existing CP systems, or integrated into new power units.

The base model reads voltage, current output and AC input. Extra monitoring and control modules are available depending on your requirements.



GPS-synchronized interruption of groups of rectifiers – easily controlled by the WatchdogCP™ system.

The remote units use Inmarsat D+ satellite communications for global remote deployment so it can be used anywhere in the world. Its modular design also supports options, including Modbus to interface with new or existing Scada systems.

Simple to use with easy internet access and global messaging

You can access Watchdog RMU via the internet using the WatchdogCP™ web monitor, without the need to install and run any software. The data can be collected and the remote units can be accessed through any internet point to the secure web monitor internet web site.

Alternatively data can be sent automatically to your email or incorporated in a CPDM package. From the website you can quickly select a group of rectifiers and schedule an interruption session. This is very useful for CIP surveys or routine ON/OFF potential monitoring. The surveyors can even receive texts to inform them that the process is complete or a system is down.

Internet System Features:

- Data polled on-demand or pre-programmed
- Automatic CPDM rectifier reports via email – without the need to log onto the website for Bass-Trigon, ProActive, Paradigm, .XLS, .CSV, .XML, etc
- Equipment alarms sent by email and/or text message
- Programming of all RMUs over the internet
- Eliminates travel to sites to perform rectifier, bond, or test point readings

- Reliably monitors CP rectifier operation – power failure alarms sent by email and/or text message
- Powerful and easy synchronized interruption of groups of rectifiers
- No setup, software or activation fee; low monthly messaging fees

WatchdogCP™ Remote Monitor Unit (RMU) Features

Basic RMU:

- Easy to install no programming required
- AC power detection detects AC power to the rectifier
- Isolated analog inputs – measure rectifier voltage, current, pipe-to-soil potential, or pressure transducers, temperature sensors etc
- Individual or group programming in one ‘hit’

The extras:

- GPS Synchronized interruption
- Programmable via the WatchdogCP™ Web Monitor
- A range of Mechanical and Solid state switching devices available depending on application
- Isolated analog outputs for TR potential, voltage or current set levels.

Easy enough to use anywhere

The WatchdogCP™ Mesh RMU unit is so easy to install and operate it's an attractive alternative to the more expensive portable interrupter. Simply provide external AC or DC power and hook up the current switch and you can control your Close Interval Survey interruption over the internet and get real time status information on the state of your interrupters.

CARMS

The CARMS system is designed to interface seamlessly with existing Transformer Rectifiers and DC DC power units. It includes a datalogger and GPS synchronisable interrupter. The unit can be left as a stand-alone device to log data onto a SD flash card.

- The CARMS can be remotely monitored and controlled via fibre optic or Inmarsat D+ technologies
- CARMS can monitor and datalog output voltage, current and structures and coupon IR free potentials.
- CARMS also comes as a programmable GPS synchronised interrupter
- The datalogger and interrupter can be programmed at site through a simple menu driven push button and LCD interface, or remotely

Ordering Information

WatchdogCP™ RMU base unit

WatchdogCP™ RMU with interruption

Mechanical 100A

Mechanical 60A

Solid State

Extra Modules for use with WatchdogCP
(up to 8 no. per base unit)

Analogue Monitoring

Digital Monitoring

Analogue Control

Digital Control

CARMS RMU base unit with datalogging and interruption

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