

## Description

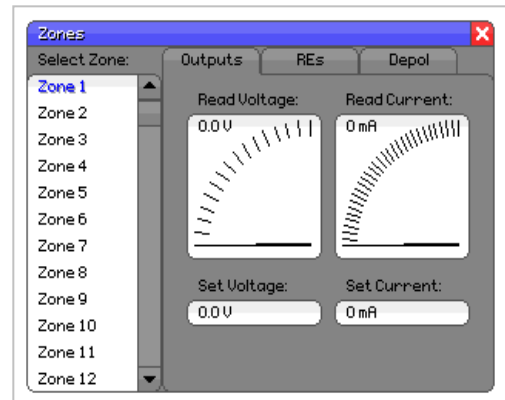
The Embedded Control Unit (ECU) is a US made micro control unit that allows for centralized control of multiple distributed Local Rectifiers Units (LRU) over a communications network. The system has been specifically designed for use with Cathodic Protection Systems to reduce time on-site and to reduce the costs associated with system monitoring.

The ECU has been developed as an alternative to PC based SCADA operating systems offering equivalent functionality at a cost-effective price.

## Features and Benefits

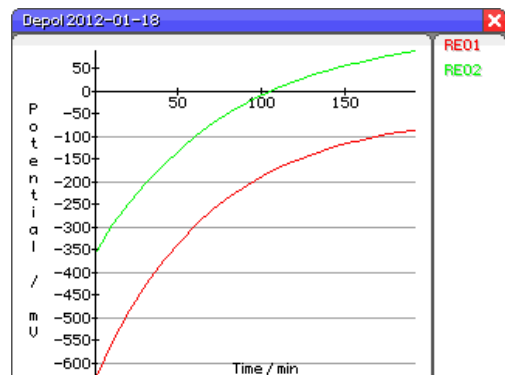
- Operates via a user-friendly graphical interface on a 6" color touch-screen.
- Allows full operation and monitoring of an entire CP system from one location. Output current, voltage for each zone.
- Provides real-time readings of all zone outputs and reference electrode values.
- Utilizes global synchronization of the entire network for instant-off measurements between 0.1 and 2 seconds.
- Capable of turning each zone on or off independently.
- Full data-logging capabilities and storage for up to 50 years of operation (Voltage, Current, Reference Cells, Depolarization Tests, Signal Alarms, etc.) The stored data can be easily transferred to external PC for further data analysis by means of memory card or direct cable connection.
- Carries out automated and scheduled depolarization testing and allows onscreen data analysis of historical depolarization tests.
- Suitable for any CP system configuration.
- Compatible with any network protocol.
- Full lighting and surge protection.
- Can be provided with uninterruptable power supply when specified.
- Multi-level privileged access to all different user levels with specific password set by client.
- Can be accessed remotely from anywhere in the world via telephone or GSM connection when specified.
- The system is fully SCADA compatible and is easily incorporated into existing SCADA systems.
- Software is designed and developed by our US based engineers, allowing for immediate support and upgrades.

The ECU can be customer designed to fit any project specifications in terms of functionality, options and enclosures.



The screenshot shows a window titled 'Zones' with a 'Select Zone:' dropdown menu set to 'Zone 1'. Below the dropdown is a table with columns: RE, On, Off, and Native. The table contains data for RE01 and RE02. An 'Update REs' button is located at the bottom of the table.

RE	On	Off	Native
RE01	-903	-581	-250
RE02	-852	-662	-289



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