

Take the mystery out of GPS synchronization. No more field programming errors. IRC and Elpha Enterprises are proud to present our new

## GPS Synchronized Current Interrupter

Our units maintain a high degree of timer accuracy even if GPS signal is interrupted. Accuracy is greater than  $\pm 20$  milliseconds from GPS real time when unit is locked onto GPS signal.

Key components are military grade and guaranteed to work at extreme temperatures. Units have been tested to  $< -35^{\circ}$  Celsius.

All connectors environmentally sealed and water tight. We ensure that all electronics stay dry when the lid is closed and locked.

The unit's on board rechargeable gel cell offers stand-alone operation. The gel cell is charged while using the interrupter simply by connecting to the rectifier taps.

The unit powers both mechanical switches and/or solid-state relays. Solid state relays use considerably less power and dramatically increase life between charges.

A single circuit 50A rated mercury switch is incorporated into the interrupter case. Optional solid state switch is available upon request.

The unit also provides six external interruption module channels for multi circuit/rectifier interruption. Interruption modules can either be mercury switch, mechanical relay or solid state.

Increase current switching capacity by ganging external interruption modules in parallel.

The units can be set to start in either the OFF or the ON cycle, and at any real time second (0-59secs). Repeat cycles can be programmed at multiples of 1/4, 1/8 or 1/16 seconds.

An optional override timer is available to users who wish to default the interrupter to periods of Steady ON. The override timer is a separate plug-in device that fits inside the case and bypasses the interrupt channels. The GPS reception and timing synchronization is maintained.

Our modular component design allows you to satisfy customized needs, but only purchase the options you require. The options include:

- Optional pelican case or other
- Power output connectors
- On board battery
- Override Timer
- Mercury, mechanical or solid state relays
- External interrupt modules; mercury, mechanical or solid state
- Ganging cables for external interrupt modules
- Permanent or portable
- Fixed or remote GPS antenna

- GPS/UTC and precision timer based.
- Simplistic and rugged design makes for easy use and unsurpassed reliability.
- 10 user selected timing cycles pre-programmed into the unit.
- No in-field programming required. Simply turn on and set selector to desired timing cycle.
- Internal single channel 50A mechanical or mercury switch included. Optional 50A solid state switch available.
- External switching modules available. Modules can be solid state, mechanical or combinations of both. Modules controlled by isolated channel outputs provided with interrupter.
- Modules can be ganged in series and/or parallel to provide multi-circuit interruption with unlimited current switching ability.
- On board gel cell is charged while the interrupter is in use.
- External "lid closed" LEDs show interruption cycle, GPS status and timing synchronization.
- Modular component design allows tailoring to fit any application.
- Timing cycles can be changed/reprogrammed at any time through our registry.
- Nighttime steady ON option is provided via a separate plug-in module. To deactivate, simply unplug the override timer.



Join our registry today. Order now!

Contact Les Hiebert at IR Corrosion Control Ltd., for further information.