

The uGI1 is a reliable low cost interruption controller designed for use with cathodic protection rectifiers. Precise timing accuracy and repeatability is attained with GPS and microprocessor technology. Compact single package construction and a wide operating temperature range make this device ideally suited for corrosion field survey activities.

Features:

- Completely self-contained including integral GPS antenna
- Small physical size: 3.1" in diameter 1.2" high (79x31mm)
- Event data logging of site geolocation, interruption activities and interruption faults (fault & load current logging require a smart relay)
- User selection of 10 configurable interruption profiles
- Configurable on/off times (0.1 to 59.999 seconds, 1mS steps)
- Scheduler with time of day start / stop & daily repeat functions
- Selectable on or off start phase for interruption
- Profiles permanently stored in non-volatile memory
- Holds rectifier power on when not interrupting
- Auto-resume after power disruption
- Supports mercury, mechanical and solid-state relay types
- Configurable relay dwell times provide precise output timing
- Supports normally open and normally closed relays
- Selectable AC line sync provides low primary current inrush
- Interruption output signal provides 12VDC @ 0.5A
- Wide-temperature LCD for local status display
- Lightning, surge and overvoltage protected
- Externally powered: 6VAC to 36VAC or 8VDC to 52VDC
- Operating temperature: -30°F to +158°F (-22°C to +70°C)
- Pad lockable for enhanced security
- Magnetic mounting feet for attachment to ferrous surfaces
- IP65 weatherproof non-submersible enclosure
- A high performance 56 channel GPS engine with integral high gain antenna provide superior GPS reception
- Timing accuracy +/-0.5mS (AC line sync disabled), +8.8mS / -0.5mS (AC line sync enabled)
- Top of the minute time synchronization using GPS
- Communicates with an optional solid state smart relay which provides real-time current measurement and interruption monitoring
- USB connection to PC laptop for configuration and upgrades
- Can be configured using Bluetooth® Smart with Apple iOS devices
- Solid state components provide high reliability
- Low equipment cost

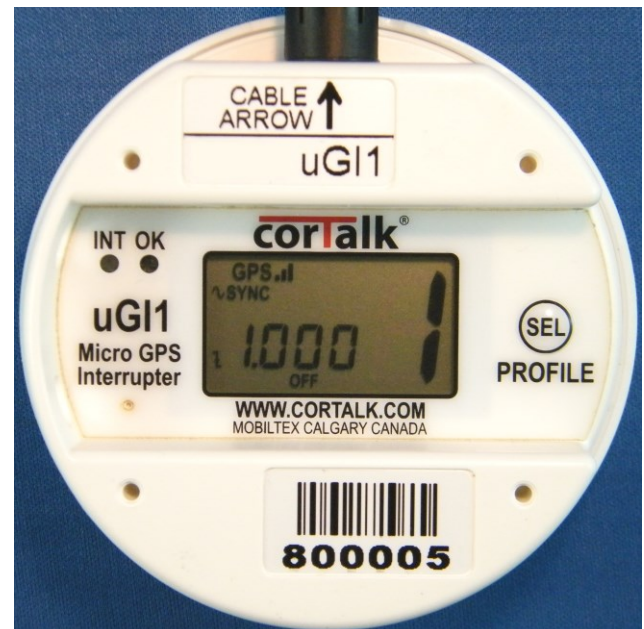
A20A03UGI01 Micro GPS interrupter kit - no relay. Includes: uGI1 Micro GPS Interrupter, 6.5 ft (2 mtr) cable uGI1 to user supplied relay, & fabric carrying case c/w 1 year warranty.

A20A03UGI02 Micro GPS interrupter kit – c/w SRL1 smart relay. Includes: uGI1 Micro GPS Interrupter, SRL1 smart solid state relay 25A (50A with optional medium heatsink) 0-90VDC 0-70VAC, & fabric carrying case c/w 1 year warranty.

A20A03UGI03 Programming kit for uGI1. Includes 3.2 ft (1 mtr) long USB cable and USB drive with PC configuration software.



Top side view



Bottom side control panel view (actual size)



Mounted on rectifier cabinet