PRODUCT DATA SHEET

i series

MicroMax® GPS200 Interrupter

American Innovations' **i-series MicroMax® GPS200 Interrupter** is a proven, cost effective, portable GPS satellite synchronized interrupter that is fully programmable in continuous, daily, dated and interference modes. The GPS200 is compatible with all other brands of GPS synchronized interrupter or logger. Users can define and store nine different programs for later recall. Cycle range is up to 999.9 seconds in 0.1 second increments. The unit automatically resumes its programmed cycle if a power disruption occurs. After hours, the unit can be set to automatically generate full CP polarization.

The GPS200 supplies 500mA to drive an external relay or multiple relays. The external relay configuration and the user configurable nature of the relay controller output allows for use of the standard relay supplied with the interrupter or a custom relay. Standard relays are 30 Amp Hg., 60 Amp Hg., 100 A Hg., 90 A/240 VAC solid state, and 100 A/100 VDC solid state. Interrupter output is user selectable and highly flexible. The output can be configured to 0V or 12V for ON or OFF. Synchronization can be set to be on the leading or falling edge of the interruption cycle. On-board keypad and display enable easy field programming.

- ***Interference and Influence Mode***
- ***Relay independent***
- ***Interrupt multiple rectifiers with one GPS200***
- ***Store up to 9 interruption schedules***
- ***Auto-resume after power loss (no need to reset interrupter)***

The GPS200 comes in a weatherproof, extremely rugged, portable enclosure. It is powered from 100 to 280 Volts AC or 8 to 30 Volts DC. The MicroMax GPS200 is supplied complete with AC cable, DC cable, output cable and GPS antenna all packaged in a canvas tool carry bag for easy handling.

SEE REVERSE FOR INTERFERENCE/INFLUENCE MODE DETAILS

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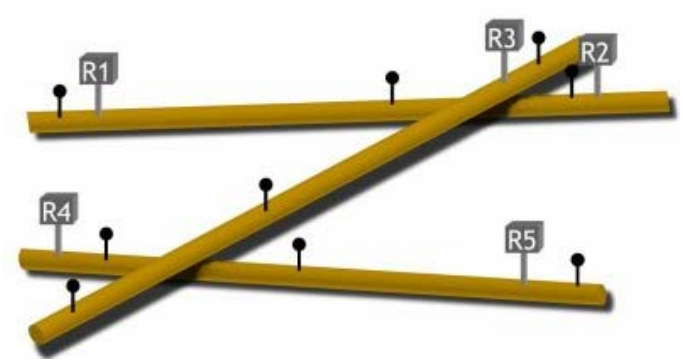
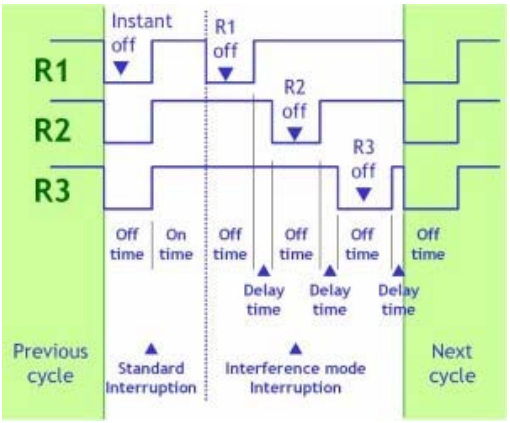
MEASURE INTERFERENCE FROM MULTIPLE PIPELINES AND MULTIPLE RECTIFIERS AND/OR MEASURE INFLUENCE FROM MULTIPLE RECTIFIERS ON ONE PIPELINE

Our unique, patented Interference Mode interruption cycle enables interference testing with greatly increased productivity and ease of data interpretation. By operating in Interference Mode, it is possible to determine the influence from multiple rectifiers AND capture the instant off pipe-to-soil potentials, all during a single visit to a test station!! In this mode, up to 99 GPS200 interrupters can be configured to switch multiple rectifiers so that IR-free pipe-to-soil potentials as well as the influence from each rectifier under investigation can be easily collected. See **www.amerinnovations.com** for an animation of the interference mode.





The same Interference Mode algorithm can be used on a single pipeline, using the methodology outlined above, to enable you to complete an "Influence Survey". This methodology facilitates an accurate evaluation of each rectifier's influence over the span of the pipeline.

Products protected by one or more of the following patents:
U.S. D437,243 S
Canadian No. 92670
U.S. 5,933,092
U.S. 5,785,842
U.S. 7,027,957

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MicroMax GPS 200 – Technical Specifications

Supply Voltage.....AC: Between 80VAC-240VAC, DC: Min-10V, Max-14V*

Output Voltage.....On: 12.0v, Off: 0.0v

Physical Dimensions (height/length/width).....9.12" x 7.56" x 4.37"

Input Connections.....2 inputs: One for DC Voltage (Min: 10v, Max: 14v), one for AC power (80VAC-240VAC)

Battery.....not included

Operating Environment.....-40 to +85C

Enclosure Options.....weatherproof, extremely rugged, portable Pelican™ case enclosure

Additional Equipment.....Comes with AC cable, DC cable, output cable and GPS antenna with Integral cable, all packaged in a canvas tool carry bag for easy handling.

Standard Relay Capacity.....100A/100V

Relay Control Current.....500mA (12V)

Relay Options.....30 Amp Hg, 60 Amp Hg., 100 A Hg., 90 A/240 VAC solid state, 100 A/100 VDC solid state or custom

****AI does not recommend an interrupter be powered with a rectifier DC output.***

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