

An essential element of a cathodic protection survey is the IR-free potential measurement. Whether you are working in a complex refinery or on a pipeline system, reliable synchronous current interruption of all affecting rectifiers is critical.

Features / Benefits:

- AC & DC interrupter circuits are electrically isolated from rectifier power.
- Continuous synchronization with GPS.
- High accuracy internal real-time clock maintains interruption in the event of loss of satellite signal.
- Multiple fixed program setup ensures foolproof operation and minimal setup time.
- Interrupt D.C. up to 50 Amps at 100 Volts.
- Interrupt A.C. up to 15 Amps at 240 Volts.



Introduction

With inexpensive fixed program GPS synchronized current interrupters from Corrosion Service, successful installation and operation is assured.

These competitively priced units provide up to 9 different cycles (see over). Cycles are selectable using a thumbwheel switch to ensure setup accuracy and eliminate the need for programming.

Configuration

The unit, as shown above, is housed in a polycarbonate waterproof enclosure for outdoor use.

For permanent installation, a customized unit is available in a NEMA 12 enclosure with a wiring harness suitable for installation into a transformer rectifier cabinet.

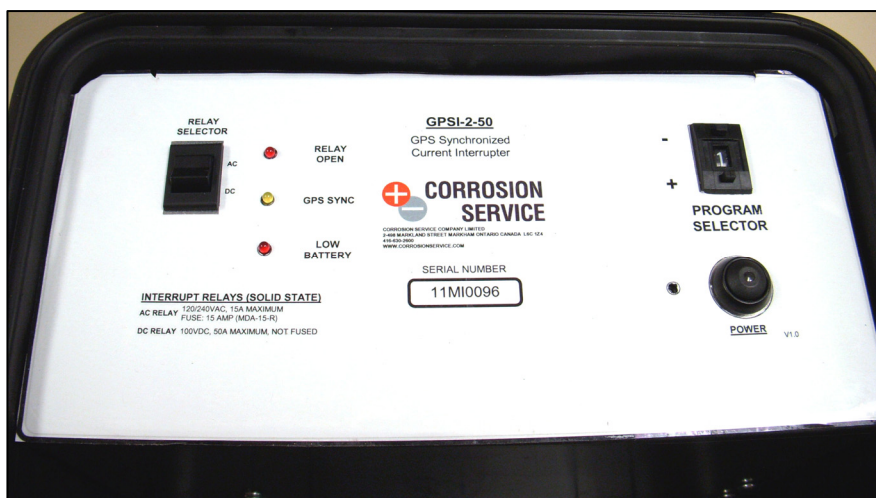
Power

Power is provided by an internal gel type lead acid battery which offers 48 hours of continuous operation. Unit may also be powered from a local 120/240 VAC supply.

Connections

External connection points are provided for the AC & DC current interruption cables, the GPS antenna, and the battery charger input.

/...over



For additional information please contact the office nearest you.

Head Office:

Toronto, ON.....Tel: (416) 630-2600
 Fax: (416) 630-2393

Branch Offices:

CANADA:

Halifax, NS.....Tel: (902) 468-7878
 Fax: (902) 468-2187
 Montreal, QCTel: (450) 449-2600
 Fax: (450) 449-6353
 Sarnia, ON.....Tel: (519) 336-0740
 Fax: (519) 336-5934
 Calgary, ABTel: (403) 233-2601
 Fax: (403) 233-2658
 Edmonton, AB ...Tel: (780) 465-2600
 Fax: (780) 444-3384
 Vancouver, BC ..Tel: (604) 521-1234
 Fax: (604) 521-0910

UNITED STATES:

Williamsville, New York
Tel: (800) 676-4984

EUROPEAN UNION:

Surrey, United Kingdom
Tel: +44 (0) 1293 783234

Email Enquiries:

techsupport@corrosionservice.com
 European Union and North Africa:
 sales@corrosionservice.co.uk

Programming

Each unit is provided with 9 user selectable preset interrupt programs (defined at right). These commonly used interruption cycles are selected via the Program Selector switch located in the top right-hand corner of the face plate.

The standard schedule synchronizes OFF at the top of the minute.

Customized ON/OFF interruption schedules are also available.

Switch Position	Seconds	
	ON	OFF
0	Indefinite	N/A
1	1.5	0.5
2	3	1
3	4	1
4	4.5	1.5
5	8	3
6	9	1
7	10	2
8	12	3
9	14	1

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