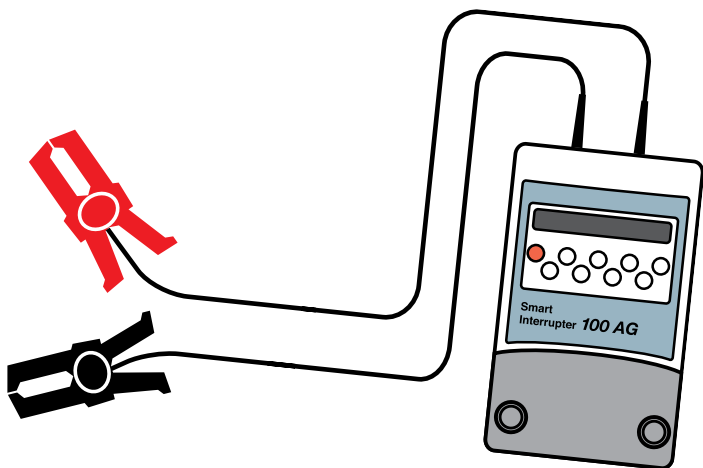


Smart Interrupter

Technical Specifications Issue 1.0



The Smart Interrupter provides a means of placing a characteristic signature on pipes by interrupting the flow of cathodic protection (CP) current.

The Smart Interrupter is specifically designed for use with the Radiodetection Stray Current Mapper (SCM) and Pipeline Current Mapper (PCM+) but can also be used as a stand-alone interrupter.



External power operating. When using the external power supply the battery level indicator is replaced by the external power icon.

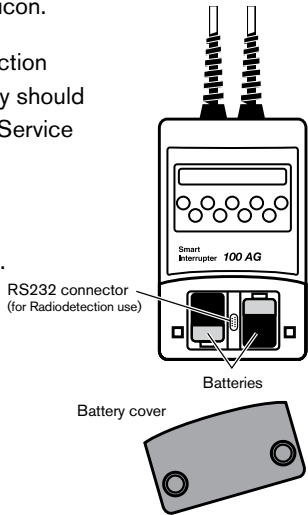
If the Smart Interrupter connection cables become damaged, they should be returned to an Authorised Service Center for replacement.

Cleaning

Wipe down with a moist cloth.

Maintenance

There are no user serviceable parts within the equipment.



Specifications

This equipment is intended to be connected to a secondary source isolated from CATII 300Vrms mains by reinforced insulation

| | |
|--------------------|--|
| CP Current Output: | Model 50AG 50A/100V peak (Continuous) Model 100AG 100A/100V peak (Continuous) |
|--------------------|--|

| | |
|--|------------|
| Frequency (of CP system being switched): | DC to 60Hz |
|--|------------|

| | |
|---------------------|--|
| Connection Outputs: | CP supply CP switched External Power |
|---------------------|--|

| | |
|---------------------|--|
| Switching Patterns: | On/Off Time 0-100s 0.1 sec increments up to 10 secs |
|---------------------|--|

| | |
|------------------|--|
| Synchronisation: | Master Slave 100ms in 12 hour period GPS (option) +/- 4ms |
|------------------|--|

| | |
|------------|--------------------------------------|
| Batteries: | 2 x 1.5V D cells 300 hours @ 20°C |
|------------|--------------------------------------|

| | |
|-----------|-------------------------------------|
| CP Power: | Will run from CP supply if above 5V |
|-----------|-------------------------------------|

| | |
|----------------|------|
| Environmental: | IP56 |
|----------------|------|

| | |
|--------------|------------------------------|
| Temperature: | 14°F (-20°C) to 140°F (60°C) |
|--------------|------------------------------|

| | |
|-----------|--|
| Humidity: | 80% up to 31°C decreasing to 50% at 40°C |
|-----------|--|

| | |
|-----------|-------------|
| Altitude: | Up to 2000m |
|-----------|-------------|

| | |
|-------------|--------------------------------------|
| Dimensions: | 12" (300mm) x 6" (150mm) x 3" (80mm) |
|-------------|--------------------------------------|

| | |
|---------|---------------|
| Weight: | 2.5kg (5.5lb) |
|---------|---------------|

| | |
|-------------|---|
| Compliance: | 2004/108/EC, 1999/5/EC (GPS Option), 2006/95/EC, FCC CFR Part 15 |
|-------------|---|

Global locations

USA

Radiodetection (USA) 28 Tower Road, Raymond, Maine 04071, USA
Tel: +1 (207) 655 8525 Toll Free: +1 (877) 247 3797 rd.sales.us@spx.com
www.radiodetection.com

Pearpoint 39-740 Garand Lane, Unit B, Palm Desert, CA 92211, USA
Tel: +1 800 688 8094 Tel: +1 760 343 7350 pearpoint.sales.us@spx.com
www.radiodetection.com

Radiodetection (Canada) 344 Edgeley Boulevard, Unit 34, Concord, Ontario L4K 4B7, Canada Tel: +1 (905) 660 9995 Toll Free: +1 (800) 665 7953
rd.sales.ca@spx.com www.radiodetection.com

EUROPE

Radiodetection Ltd. (UK) Western Drive, Bristol BS14 0AF, UK
Tel: +44 (0) 117 976 7776 rd.sales.uk@spx.com www.radiodetection.com

Radiodetection (France) 13 Grande Rue, 76220, Neuf Marché, France
Tel: +33 (0) 2 32 89 93 60 rd.sales.fr@spx.com <http://fr.radiodetection.com>

Radiodetection (Benelux) Industriestraat 11, 7041 GD 's-Heerenberg, Netherlands Tel: +31 (0) 314 66 47 00 rd.sales.nl@spx.com
<http://nl.radiodetection.com>

Radiodetection (Germany) Groendahlscher Weg 118, 46446 Emmerich am Rhein, Germany Tel: +49 (0) 28 51 92 37 20
rd.sales.de@spx.com <http://de.radiodetection.com>

ASIA-PACIFIC

Radiodetection (Asia-Pacific) Room 708, CC Wu Building 302-308 Hennessy Road, Wan Chai, Hong Kong SAR, China
Tel: +852 2110 8160 rd.sales.cn@spx.com www.radiodetection.com

Radiodetection (China) Hongfu Mansion, Room 61622, Zheng Ge Zhuang Bei Qi Jia Town, Chang Ping District, Beijing 102209, China
Tel: +86 (0) 10 8178 5652 rd.service.cn@spx.com <http://cn.radiodetection.com>

Radiodetection (Australia) Unit H1, 101 Rookwood Road, Yagoona NSW 2199, Australia Tel: +61 (0) 2 9707 3222 rd.sales.au@spx.com
www.radiodetection.com

© 2013 Radiodetection Ltd. - SPX Corporation. All rights reserved. Radiodetection is a subsidiary of SPX Corporation. SPX, the green ">" and "X" are trademarks of SPX Corporation, Inc. Radiodetection is a trademark of Radiodetection Ltd. Due to a policy of continued development, we reserve the right to alter or amend any published specification without notice. This document may not be copied, reproduced, transmitted, modified or used, in whole or in part, without the prior written consent of Radiodetection Ltd.