**RADIODETECTION**<sup>®</sup>

# **RD7100<sup>®</sup>**

## **Electromagnetic and RF Marker locator**

Technical specification



### 1. Product Summary

.1 Product Descriptions	Precision Buried Utility Locator	
	Precision Cable, Pipe and RF Marker Locator	
	Locate System Receiver	
	Utility Specific Precision Locator	
1.2 Intended Use	Locating the position / path of buried cables, pipes and RF Markers	
	Detecting and pinpointing insulation faults on buried pipes and cables	
	Creating survey records of buried cables and pipes locations	
1.3 Standard Equipment	Locator	
	Lithium Battery pack	
	Mains and Automotive chargers	
	Quickstart guide	
	Mini USB 2.0 compliant data cable	

### 2. Performance

2.1 Sensitivity	6E-15 Tesla 5μA at 1 meter (33kHz)
2.2 Dynamic range	140dB rms/√Hz
2.3 Selectivity	120dB/Hz
2.4 Depth measurement precision <sup>1</sup>	Cable / Pipe / Sonde: ± 3% RF Markers: ± 15% ± 5cm – RF Marker Type dependent. Depth precision valid to: Near Surface: 2'/60cm Ball Marker: 4.9'/1.5m Mid-Range: 5.9'/1.8m Full Range: 7.9'/2.4m
2.5 Locate accuracy	± 5% of depth
2.6 Active Locate filter bandwidth	± 3Hz, 0 < 1kHz ± 10Hz, ≥ 1kHz
2.7 Start-up time	Less than 1 second
2.8 Maximum depth readout <sup>2</sup>	Cable / Pipe:         98'/30m           Sonde:         64'/19.5m           RF Markers:         16'/5m

#### 3. Locate Functions

3.1 Active Locate Modes	Up to 6, model dependent:
	• Peak
	<ul> <li>Peak+<sup>™</sup> (choice of combined Peak &amp; Guidance or Peak &amp; Null)</li> </ul>
	Guidance
	• Null
	RF Marker
	Combined (Cable, Pipe and RF Marker)
3.2 Gain control	Guidance Mode: Automatic
	Other modes: Manual gain using "+" or "-" with one touch to return to center (50% of Full Scale)

#### 3.3 Active locate frequencies

Up to 7:

3.3 Active locate frequencies	Up to 7:			
	RD7100 MODEL	DLM	PLM	TL
	Active frequencies	6	5	7
	512Hz	•	•	•
	640Hz	•	•	•
	8kHz (8192Hz)	•	•	•
	33kHz (32768Hz)	•	•	•
	65kHz (65536Hz)	•	•	•
	83kHz (83077Hz)	•		
	131kHz (131072Hz)			•
	200kHz (200000Hz)			•
3.4 RF Markers	UTILITY	COLOR		FREQUENCY
	French Power	Natural		40.0 kHz
	General / Non-drinkable water	Purple		66.35 kHz
	Cable TV	Black / Orange		77.0 kHz
	Gas	Yellow		83.0 kHz
	Telephone / Telecoms	Orange		101.4 kHz
	Sanitary	Green		121.6 kHz
	German Power	Blue / Red		134.0 kHz
	Water	Blue		145.7 kHz
	Electrical Power*	Red		169.8 kHz
3.5 Sonde frequencies	licensing restrictions do not Up to 4:	apply at the operating	frequency of 169k	Hz.
	RD7100 MODEL	DLM	PLM	TLM
	512Hz	•		•
	640Hz	۲		•
	8kHz (8192Hz)	•		
	33kHz (32768Hz)	•	•	•
3.6 Fault Find	Locate insulation sheath fau A-Frame and a compatible t		s to 10cm / 4" accu	racy using the accessory
	RD7100 MODEL	DLM	PLM	TLM
	8kHz Fault Find		•	•
3.7 Passive Locate Modes	RD7100 MODEL	DL	PL	TL
	Power	•	•	•
	Radio	•	•	•
	CPS (Cathodic Protection System)	•		
3.8 Power Filters <sup>™</sup> function	Switch out of Radiodetectio frequencies. (RD7100PLM o		ode to locate on any	y of 5 individual mains harmonic
	HARMONIC	50 Hz regions		60 Hz regions
	Primary	50 Hz		60 Hz
	Primary 3rd	50 Hz 150 Hz		60 Hz 180 Hz
	-			

450 Hz

540 Hz

9th

3.9 Information displayed	<ul> <li>Signal strength - moving bar graph and numeric value</li> </ul>
	<ul> <li>Mode indication (Peak, Null, Guidance, Peak+ with option of Guidance arrows or Null arrows)</li> </ul>
	Line or Sonde locate type
	<ul> <li>Proportional left/right indication</li> </ul>
	Compass: full 360° line direction indicator
	Accessories in use indication
	Accessory specific custom screen
	<ul> <li>Simultaneous depth and current readout (Line location)</li> </ul>
	<ul> <li>Depth readout (Sonde location)</li> </ul>
	<ul> <li>Gain level (in dB)</li> </ul>
	Frequency selected
	Marker Selected
	Battery condition
	Speaker volume
	Operating frequency
	GPS satellites in view (where fitted)
	GPS status (where fitted)
	Configuration menu and submenus
	Software version
	Last calibration date     South Find model indicator (model dependent)
	<ul> <li>Fault Find mode indicator (model dependent)</li> <li>StrikeAlert<sup>™</sup> warning</li> </ul>
	Overload warning
3.10 Audio output tones	Power / Radio modes:
STO Addio output tones	Real Sound™ derived from detected electromagnetic signal
	Peak / Peak+ modes:
	Synthesized audio tone proportional to signal strength
	Guidance mode:
	Continuous tone when locator is to the left of target, intermittent tone when to the right of target
	Null mode:
	Synthesized audio tone proportional to signal strength. Low pitch to left of target, high pitch to right
	of target
	StrikeAlert audio warning:
	Audio feedback for menu navigation
3.11 Accessory locate functions	Locator clamps: Used to identify individual target cable(s) in a bundle or cabinet using signal
	strength read-out
	Stethoscopes: Used to identify individual target cable(s) in a bundle or confined space such as a

### 4. Locate Function Enhancements

4.1 Strike <i>Alert</i> <sup>™</sup>	Audio and visual warning when a cable or pipe less than 12" / 30cm deep is detected. Operates in Active and Passive locating modes
4.2 Dynamic Overload Protection <sup>™</sup>	<ul> <li>40dB, automatic</li> <li>Automatically manages the system gain to compensate for strong signals e.g. from mains power or substations, to enable accurate locating</li> </ul>
4.3 Simultaneous depth and current readout	Both utility depth and locate signal current are displayed simultaneously, giving the operator more information to help them to follow the target utility
4.4 Fault Find	Apply a Fault Find signal with a Tx-5 and Tx-10 transmitter, then use an accessory A-Frame to detect and pinpoint insulation faults (RD7100PLM and TLM models only) Fault find accuracy: Metric: 100mm Imperial: 4"
4.5 Peak+ mode	Use the accurate Peak bargraph, and add either proportional Guidance arrows for faster locating, or Null arrows to check for the presence of distortion

### 5. Configurability

5.1 Option selection	All options can be enabled or disabled on the locator or using the RD Manager PC software
5.2 Languages supported	Fourteen: English, French, German, Dutch, Polish, Czech, Slovakian, Spanish, Portuguese, Swedish, Italian, Turkish, Russian, Hungarian
5.3 Mains power network options	50 Hz or 60 Hz
5.4 Mode selection	All locate modes can be individually enabled or disabled
5.5 Active frequency selection	All active frequencies available can be individually enabled or disabled
5.6 Active RF Marker selection	All RF Markers can be individually enabled or disabled
5.7 Passive mode selection	All passive modes can be individually enabled or disabled
5.8 StrikeAlert	Enable / disable
5.9 Peak+ arrow selection	Guidance arrows or Null arrows Selected using the locator menu or with a long press of the antenna key
5.10 Time/date setting	Correct or update locator real-time clock using the RD Manager PC software or GNSS signals (GPS/Logging enabled units)

### 6. Connectivity

6.1 Wireless connections	Bluetooth 2.0 – SPP profile, class 1
6.2 Wired connections	Mini USB: Connect to a PC to configure and update locator, and to retrieve usage log
	3.5mm Stereo jack: Connect wired headphones
	Accessory port: Connect Radiodetection accessories

### 7. Data capabilities and GNSS ('GPS')

7.1 Usage-logging and survey measurements	RD7100 MODEL	DLM	PLM	TLM
neasurements	Usage-logging		•	•
	Survey Measurement (to external device)	•	•	•
7.2 Usage-logging memory	4 GB			
7.3 Usage-logging capacity	Over 500 days, measured at 8 h	nours use per day		
7.4 Usage-logging capture rate	1/second			
7.5 Usage parameters logged	Serial number Log reference and id Operating mode Locate frequency Sonde/line Signal strength Gain setting Depth Current Accessory in use Antenna mode Arrows readout Compass angle Overload status Dynamic Overload Protection Status	RF Marker Type Marker Depth Marker Signal S Marker Gain (dE Keys pressed Audio status Volume Menu in use Battery status User warnings s Strike <i>Alert</i> statu Fault find arrow SideStep status Language Depth units Power setting	status status (5) (5) (5) (5) (5) (6) (7) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	ude e date and time ntal Dilution Time and ID Units
7.6 DNSS ('GPS') support	<ul> <li>Over Bluetooth via RD Map<sup>™</sup> for</li> <li>Connect an external GNSS e with survey measurements</li> </ul>		D Map for Android to com	bine external GPS data
7.7 Survey measurement options	Bluetooth – 'live,' per measurer Bluetooth – batch export	nent		

7.8 Bluetooth survey measurement data protocol options	PPP ASCII (choice of 3 formats)		
7.9 Survey measurement data transmitted	Aschi (choice of 3 formats)         Standard data:         Log #         Survey Reference         Antenna Mode         Depth         Current (mA)         Frequency in use (Hz)         Sonde/Line         Signal Strength (dBųV and %)         Signal Strength (%)         Gain Setting (dB)         Compass (deg)         Arrow readout         CD Phase (deg)         Accessory Type         Battery level         Volume         Overload Flag         RF Marker Type         Marker Depth         Marker Signal Strength (%)         Marker Gain (dB)	Usage-Logging Units: Date and Time With Internal or External GNSS Fix: GPS Mode GPS Date and Time GPS Distance (m) Latitude Angle (deg) Latitude Direction Longitude Angle (deg) Longitude Direction GPS Fix Satellites in use Horizontal Dilution Altitude Value (m) Altitude Units Geoid Value (m) and Units DGPS Time DGPS ID Time Reference GPS Mode GPS Date and Time GPS Distance (m) Latitude Angle (deg)	

### 8. Power options

8.1 Lithium-Ion (Li-Ion)	Custom Lithium-Ion (Li-Ion) battery pack	
8.2 Alkaline	3 × D-Cell (MN1300 / LR20) alkaline batteries (standard)	
8.3 Rechargeable	3 × D-Cell (MN1300 / LR20) Nickel Metal Hydride (NiMH) batteries	
8.4 Battery run-time (continuous) <sup>3</sup>	Li-Ion pack: 22 hours 3 × Alkaline D-Cells: 15 hours	
8.5 Battery chemistry identification	Lithium-Ion pack:       Automatic sensing         NiMH / Alkaline:       Software switchable	
8.6 Charging options (Li-Ion pack)	Mains charger:100-250 Volts AC, 50/60 HzAutomotive charger:12-24V DC	
8.7 Charging time (Li-Ion pack)	3 hours to 80% from empty with maintenance trickle charging thereafter	
8.8 Charging Temperature	Metric: 0°C to 45°C Imperial: 32°F to 113°F	

### 9. Physical Characteristics

9.1 Design	Ergonomic, balanced and lightweight design for comfortable use during extended surveys	
9.2 Construction	Injection Molded ABS Plastic	
9.3 Weight	With Lithium-Ion battery pack fitted:Metric: 2.1kgImperial: 4.2lbWith D-cell alkaline batteries fitted:Metric: 2.3kgImperial: 5lb	
9.4 Ingress Protection rating	IP65* (see note) Protected against dust ingress and jets of water <sup>4</sup> applied from any direction *Note: The antenna loop is protected to IP55, as small amounts of dust can penetrate but its operation is not impacted	
9.5 Display type	High contrast custom made monochrome LCD	
9.6 Audio options	Built-in waterproofed speaker 3.5mm headphone socket	
9.7 Operating temperature <sup>5</sup>	As a cable and pipe locator: Metric: -20°C to 50°C Imperial: -4°F to 122°F As a RF locator: Metric: -10°C to 50°C Imperial: 14°F to 122°F	

9.8 Storage temperature	Metric: -20°C to 70°C Imperial: -4°F to 158°F				
9.9 Unit dimensions	Metric: 648mm × 286mm × 125mm Imperial: 25.5" × 11.3" × 4.9"				
9.10 Shipping dimensions	Metric: 700mm x 260mm × 330mm Imperial: 27.6" x 10.2" x 13"				
9.11 Shipping weight (with batteries fitted)	Metric: 3.6kg Imperial: 7.9lb				

### 10. RD Manager<sup>™</sup> Supporting PC Software

10.1 Operating System Compatibility	Microsoft <sup>®</sup> Windows <sup>®</sup> 10 64-bit versions					
10.2 Locator system compatibility	Radiodetection RD8100 and RD7100 Precision Locators RD7000+ and RD8000 Cable, Pipe and Marker Locators					
10.3 Functions	<ul> <li>Locator configuration</li> <li>eCert<sup>™</sup> remote calibration certification</li> <li>Factory calibration certificate retrieval</li> <li>Usage-logging data collation and export</li> <li>User account management</li> <li>CALSafe<sup>™</sup> maintenance schedule enforcement</li> <li>Product registration for extended warranty</li> <li>Locator software update</li> </ul>					
10.4 Data export formats	.kml for Google <sup>®</sup> Maps .csv for database and spreadsheet applications .xls / .xlsx for Microsoft <sup>®</sup> Excel <sup>®</sup>					
10.5 KML data export options	Filter usage-logging and survey measurement points on Google® maps. Select data to be tagged. Customize icon type / color, label type / color, line type / color					

### 11. Warranty and Maintenance

11.1 Manufacturer's warranty duration 3 years standard, on registration						
11.2 Recommended calibration and maintenance schedule	Annual, or at the beginning / end of a lease period if earlier					
11.3 eCert remote calibration	<ul> <li>Remote calibration certification using an internet connection to Radiodetection</li> <li>Recommended schedule: annual, or at the beginning / end of a lease period</li> </ul>					
11.4 CALSafe <sup>™</sup>	<ul> <li>Can be enabled to prevent the locator operating when beyond a defined calibration / maintenance schedule</li> <li>Disabled by default</li> <li>30-day countdown to calibration due date</li> </ul>					
11.5 Enhanced Self-Test	On-unit Applies test signals to locate circuitry to confirm correct operation, as well as the typical tests for screen and DSP functions. Recommended schedule: weekly, or before each use.					
11.6 Storage recommendation	Store in a clean and dry environment. Ensure all terminals and connection sockets are clean, free of debris and corrosion and are undamaged					
11.7 Cleaning	<ul> <li>Clean with a soft, moistened cloth.</li> <li>Do not use <ul> <li>Abrasive materials or chemicals</li> <li>High pressure jets of water</li> </ul> </li> <li>If using this equipment in foul water systems or other areas where biological hazards may be present, use an appropriate disinfectant.</li> </ul>					

### 12. Certification and Compliance

12.1 Standards	
Safety:	EN 61010-1:2010
EMC:	EN 61326-1:2013
	EN 300 330-2 (V1.5.1)
	EN 300 440-2 (V1.4.1)
	EN 301 489-3 (V1.6.1)
	EN 301 489-17 (V2.2.1)
Environmental:	EN 60529 1992 A2 2013
	EN 60068-2-64:2008 Test Fh
	ESTI EN 300 019-2-2:1999 (per table 6)
	EN 60068-2-27:2009 (Test Ea)
	ESTI EN 300 019-2-2:1999 (per table 6)
12.2 European directi	ves Radio Equipment Directive – 2014/53/EU
	Low Voltage Directive – 2014/35/EU
	EMC Directive – 2014/30/EU
	RoHS – Restriction of Hazardous Substances – Directive – 2011/65/EU
	Declaration of conformity is available from www.radiodetection.com
12.3 Environmental	WEEE compliant
	ROHS compliant
12.4 Manufacturing	ISO 9001:2015

### 13. Compatible Accessories

Accessory	Part description	Part number			
13.1 Phone support kit	Locator bracket adapter, arms and mobile phone holder – complete kit (see mobile phone holder dimensions 13.4)	10/RX-PHONE-HOLD-KIT			
13.2 Tablet support kit	Locator bracket adapter, arms and tablet holder - complete kit	10/RX-TABLET-7-8-HOLD-KIT			
13.3 Mobile device support bracket and arm	Locator bracket adapter and arms (needs either a Phone or Tablet holder)	10/RX-HOLDER-MOUNT			
13.4 Mobile phone holder	hone holder Mobile phone holder (requires a mobile device support bracket and arm) Depth: 22mm / 0.875" Minimum Height 57mm / 2.25" Maximum Width 83mm / 3.25" Minimum Width				
13.5 Tablet holder	7"-8" Tablet holder (requires a mobile device support bracket and arm)	10/RX-TABLET-7-8-HOLDER			
13.6 RAM Bracket adapter	Bracket adapter for RAM <sup>®</sup> mounts	10/RX-RAM-ADPT			
13.7 RAM Bracket O-Ring set	Spare set of 2 O-rings	10/RX-RAM-ADPT-ORING			
13.8 Lithium-Ion battery packs	Li-Ion rechargeable battery mains kit (Includes mains charger) Li-Ion rechargeable battery pack (no charger)	10/RX-MBATPACK-LION-K 10/RX-BATPACK-LION			
13.9 Lithium-Ion battery chargers	Li-Ion automotive charger Li-Ion mains charger	10/RX-ACHARGER-LION 10/RX-MCHARGER-LION			

Accessory	Part descriptio	n					Part number
13.10 Alkaline battery trays			J1300/I	R20)			10/RX-3DCELL-TRAY
13.11 Transportation and storage accessories – For combined	3 × D Cell battery tray (MN1300 / LR20) Soft Carry Bag Wheeled Flight Case						10/LOCATORBAG 10/RD7K8KCASE
locator and transmitter	Hard Case	ase	10/RD7K8KCASE-USA				
13.12 Locator signal clamps – For identification and location of utilities	Imperial: 2" Loo Metric: 100m Imperial: 4" Loo Metric: 130m Imperial: 5" Loo	m Locator ator Clan m Locator ator Clan	10/RX-CLAMP-50 10/RX-CLAMP-2 10/RX-CLAMP-100 10/RX-CLAMP-4 10/RX-CLAMP-130 10/RX-CLAMP-5				
	CD and Current	Measurem	nent Clai	mp			10/RX-CD-CLAMP
13.13 Signal stethoscopes – To locate and identify individual utilities e.g. within walls, congested areas or when cables/utilities are in close proximity to each other	High Gain Stethoscope Large Stethoscope Small Stethoscope CD Stethoscope						10/RX-STETHOSCOPE-HG 10/RX-STETHOSCOPE-L 10/RX-STETHOSCOPE-S 10/RX-CD-STETHOSCOPE
13.14 Sondes Battery powered signal		Diar	Diameter		Range		
transmitters for tracing or		mm	In	m	Ft	Freq (Hz)	
locating non-conductive utilities	S6 Microsonde	6	1/4	2	6½	33k	10/SONDE-MICRO-33
	S9 Minisonde	9	3/8	4	13	33k	10/SONDE-MICRO-33
	S13 Super Smal		3/8	4	13	338	10/ SONDE-MINI-33
	Sonde	13	1/2	2	6½	33k	10/SONDE-S13-33
	S18 Small Sonde	18	3/4	4	14	33k	10/SONDE-S18A-33
	Standard C-Sonde					33k	10/SONDE-STD-33
		39	11/2	5	16½	8k	10/SONDE-STD-8
						512	10/SONDE-STD-512
	Sewer Sonde	64	<b>2</b> ½	8	26	33k	10/SONDE-SEWER-33
	Super Sonde	64	<b>2</b> ½	15	50	33k	10/SONDE-SUPER-33
	Flexi Sonde	23	7/8	6	20	512	10/SONDE-BENDI-512
13.15 Submersible antennas	3.15 Submersible antennas 512Hz Submersible DD Antenna 640Hz Submersible DD Antenna 8kHz Submersible DD Antenna						10/RX-SUBANTENNA-512 10/RX-SUBANTENNA-640 10/RX-SUBANTENNA-8K
13.16 FlexiTrace <sup>™</sup> – Use with a transmitter to	FlexiTrace 50m / 165' FlexiTrace 80m / 260'					10/TRACE50-GB 10/TRACE80-GB	
trace small diameter pipes 13.17 Flexrods – Fibreglass rod used for	Length	Length Diameter					
propelling Radiodetection sondes through pipes to trace	m	Ft	n	nm	In		
the path and locate blockages	50	160		.5	3/1	6	10/FLEXRODF50-4.5
		260		.5 .5	3/1	-	10/FLEXRODF30-4.5
		160	7		1/4	-	10/FLEXRODF50-7
		320	7		1/4		10/FLEXRODF100-7
	150	485	7		1/4		10/FLEXRODF150-7
	60	195	9		3/8		10/FLEXRODF60-9
	120	390	9		3/8		10/FLEXRODF120-9
13.18 A-Frame – Used for locating sheath faults on cables and coating defects on pipelines	A-Frame (includes A-Frame Lead) A-Frame Bag						10/RX-AFRAME 10/RX-AFRAME-BAG
13.19 Headphones	Recommended for use in noisy environments					10/RX-HEADPHONES	
13.20 Calibration Certificates	3.20 Calibration Certificates Locator Calibration Certificate, per unit (request with initial locator order)					initial	97/RX-CALCERT
	eCert <sup>™</sup> Calibration Credit					10/RX-ECERT	

All specification are measured in test conditions, at  $21^{\circ}$ C/70°F, and fitted with fully charged Li-lon battery pack unless otherwise noted. <sup>1</sup> Based on volumetric testing at a known fixed depth. True depth accuracy depends on factors such as ground composition, utility characteristics and the locate frequency/signal strength employed. Always follow local safe digging guidelines.

<sup>2</sup> The RD7100M will locate to greater depths in the right conditions, but depth accuracy will be compromised. Depth measurement will not be displayed beyond these depths.

<sup>3</sup> To provide repeatable measurements, run-time is measured with GPS and Bluetooth functions switched to 'off'.

<sup>4</sup> Water projected by a nozzle at a pressure of 30kPa/0.3 bar/4.4 psi in accordance with BS EN 60529 1992 A2 2013.

<sup>5</sup> At very low temperatures, battery life will be degraded, LCD performance may slow and measurement precision may reduce.

### **RADIODETECTION**<sup>®</sup>

#### Visit www.radiodetection.com

#### **Global locations**

#### **Radiodetection (USA)**

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

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

#### Schonstedt Instrument Company (USA)

100 Edmond Road, Kearneysville, WV 25430 USA Toll Free: +1 888 367 7014 Tel: +1 304 724 4722 schonstedt.info@spx.com

#### Radiodetection (Canada)

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

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

#### **Radiodetection (France)**

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

#### **Radiodetection (Benelux)**

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

#### **Radiodetection (Germany)**

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

#### **Radiodetection (Asia-Pacific)**

Room 708, CC Wu Building, 302-308 Hennessy Road, Wan Chai, Hong Kong SAR, China Tel: +852 2110 8160 rd.sales.asiapacific@spx.com

#### **Radiodetection (China)**

13 Fuqianyi Street, Minghao Building D304, Tianzhu Town, Shunyi District, Beijing 101312, China Tel: +86 (0) 10 8146 3372 rd.service.cn@spx.com

#### **Radiodetection (Australia)**

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

Copyright © 2019 Radiodetection Ltd. All rights reserved. Radiodetection is a subsidiary of SPX Corporation. Radiodetection, and RD7100 are registered trademarks of Radiodetection in the United States and/or other countries. Trademarks and Notices. The following are trademarks of Radiodetection: RD7100, eCert, TruDepth, SideStepauto, RD Manager, RD Map, Peak+, Power Filters, StrikeAlert, CALSafe. The design of the RD7100 locators and transmitters has been registered. The design of the 4 chevrons has been registered. RAM is a trademark of National Products Inc. 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.