Genny4® transmitter specification

Cable Avoidance Tools

Genny4 Transmitter Specification

1. Product Summary

1.1 Product Overview:	The Genny signal transmitter has been designed to complement Radiodetection's C.A.T4 cable avoidance range
1.2 Product Descriptions:	Signal transmitter Multi-function transmitter Cable and pipe transmitter
1.3 Intended Use:	Used with C.A.T®4 range of locators for avoiding and tracing buried utilities
1.4 Supplied With:	Tool tray to include direct connection lead, earth stake and neodymium magnet

2. Performance

2.1 Maximum output voltage:	23V RMS into an open Circuit
2.2 Maximum output current:	66mA RMS into a Short Circuit
2.3 Maximum output power:	1 Watt in Direct Connection Mode
2.4 Induction output:	Magnetic flux Density (B) 1.089 µT @ 500mm

3. Transmit Functions and Operation

Transmits a signal or simultaneous signals to aid location of cable and pipes, including smaller diameter cables such as telecom or CATV

3.1	Operation:	Push button control by pressing appropriate push button On / off, speaker volume control and Boost button for selecting standard or Boost output level
3.2	LED Indication:	Indicates Boost output mode selection and battery low warning indicator
3.3	Operating Modes:	
	Direct Connection Mode:	33kHz (32768Hz) and 131kHz (131072Hz) both signals transmitted simultaneously
	Transmitter Clamp Mode:	33kHz (32768Hz) and 131kHz (131072Hz) both signals transmitted simultaneously
	Induction Mode:	33kHz (32768Hz)
3.4	Output Signal Level:	Selectable Standard or Boost Mode Note: Transmitter will always power up in standard mode
3.5	Audio output:	Standard and Mute options Audio output change to indicate a good connection
3.6	Power Options:	Alkaline or NiMH – requires 4 off D type cells
3.7	Battery Life:	40 hours continuous in standard mode or 15 hours continuous in Boost mode using Direct Connection Method 28 hours continuous in standard mode or 9 hours continuous in Boost mode using Induction method

4. Physical Characteristics

4.1 Construction:	Injected Molded ABS Plastic
4.2 Weight:	2.75kg (6lbs) with batteries and tool tray fitted
4.3 Dimensions:	27.5cm (10.8") x 17cm (6.7") x 20cm (7.8")
4.4 Ingress Protection Rating:	IP54
4.5 Audio Option:	Built-in water-resistant speaker
4.6 Operating Temperature:	-20°C to 50°C / -4°F to 122°F
4.7 Storage Temperature:	-40°C to 70°C / -40°F to 158°F
4.8 External Connection:	XLR type for connection of direct connection lead, transmitter clamp and accessories

5. Warranty and Maintenance

5.1	Manufacturer's warranty duration:	1 year standard
5.2	Recommended service schedule:	Annual, or at the beginning / end of a lease period if earlier
5.3	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.
5.4	Cleaning:	Clean with a soft, moistened cloth. Do not use: • Abrasive materials or chemicals • High pressure jets of water If using this equipment in foul water systems or other areas where biological hazards may be present, use an appropriate disinfectant.

6. Certification and Compliance

6.1	Standards:	
	Safety:	EN 60950-1:2006+A2:2013 EN 60950-22:2006
	EMC:	EN 61326-1:2013 EN 300 330-2 (V1.5.1) EN 301 489-3 (V1.6.1) EN 301 489-17 (V2.2.1)
6.2	European directives:	Radio Equipment 2014/53/Eu ROHS Directive: 2011/65/EU Declaration of conformity is available from www.radiodetection.com
6.3	Radio:	FCC, IC
6.4	Environmental:	WEEE compliant ROHS compliant
6.5	Manufacturing:	ISO 9001:2008

7. Compatible Accessories

	Accessory	Part description	Part number
7.1	Genny Clamp	Available in 2' (50mm), 4' (100mm), 5' (130mm) and 8.5' (215mm) diameters.	10/GENNY-CLAMP-XX (XX= 50, 100, 130, 215)
7.2	Extension Rod	25" (630mm) length, non-conductive, nylon extension rod.	10/TX-CLAMP-EXTROD
7.3	Earth Extension Lead	33' (10m) Earth Extension Lead	10/TX-EARTHLEAD
7.4	Earth Stake	Provides an earth return for Genny transmitter.	10/GENNY-EARTHSTAKE
7.5	Neodymium Magnet	For attaching direct connect lead metal pipes etc.	10/TX-MAGNET
7.6	Direct Connection Lead	Directly connecting Genny signal to utility.	10/GENNY-DC-LEAD
7.7	Live Plug Connector (LPC)	Applies Genny signal to mains wiring via mains socket.	10/GENNY-LPC-UK 10/GENNY-LPC-EUR 10/GENNY-LPC-ROW
7.8	Live Cable Connector (LCC)	Applies Genny signal to live mains wiring.	10/GENNY-LCC

RADIODETECTION® SPX®

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)
Ming Hao Building D304, No. 13 Fuqian Avenue, Tianzhu Town, Shunyi District, Beijing 101312, China
Tel: +86 (0) 10 8416-3372 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

90/GENNY4-DATA-ENG/01