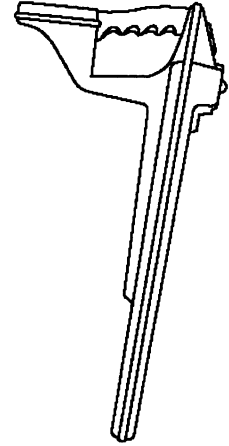


## RD400PDL-2 Precision Locator Technical Specification

<b>Description</b>	RD400PDL-2 Precision buried cable and pipe locator.
<b>Part No.</b>	10/RD400PDL2 (followed by variant suffix). Some variants may not provide all of the modes and features listed below.
<b>Physical</b>	
Construction	High impact thermoplastic weatherproof to NEMA 3R and IP54.
Ruggedness	Withstands 1 m (3 ft) drops onto concrete.
Dimensions	60.5 x 29 x 13.5 cm (24 x 11.5 x 5.3 in).
Shipping Box Size	63.5 x 35.5 x 14.6 cm (25 x 14 x 5.5 in).
Weight	2.2 kg (4.8 lb).
Shipping Weight	3.6 kg (7.9 lb).



### Operating Modes

Mode	Frequency	Sensitivity @ 1 m	Locating Depth Guide (m/yds)	
			Good Conditions	Poor Conditions
Power	30 Hz-500 Hz	20 mA	3	2
Radio	14-26 kHz	30 $\mu$ A	2	1
CD	640 Hz or 320 Hz	250 $\mu$ A	5	2
8	8.192 kHz	100 $\mu$ A	5	2
33	32.768 kHz	30 $\mu$ A	5	2
65	65.536 kHz	30 $\mu$ A	5	2
Lf	512 Hz or 640 Hz	250 $\mu$ A	5	2
fa	200 kHz	50 $\mu$ A	5	2
fb	User defined	--	--	--
CPS	100 Hz or 120 Hz	20 mA	3	2
FF	8 Hz and 8 kHz	1 M $\Omega$	5	2

Locate Accuracy:  $\pm$ 5% of depth.  
 Current Accuracy:  $\pm$ 5% of actual current.  
 Depth Accuracy:  $\pm$ 5% of depth on undistorted signal with no adjacent signals.  
 Depth Range: Line - 3 m (10 ft)  $\pm$ 5%.  
 Sonde - 8 m (26.2 ft)  $\pm$ 5% dependent on sonde.



<b>Visual Indication</b>	Two section Liquid Crystal Display indicating the following: Signal Strength (%)      Line Depth      Sonde Depth Induced Current      Current Direction      Gain Level Operating Mode      Line/Sonde Mode      Peak/Null Mode Left/Right Arrows      Battery Status      Speaker Volume Backlight On
<b>Audio Indication</b>	Audio signal output through waterproof loudspeaker. Use of optional headphones disables loudspeaker output.
<b>Search Antennas</b>	2 x symmetrical response for Peak operation. 1 x vertical antenna for Null operation.
<b>Gain Control</b>	Up/Down keys on fascia.
<b>Batteries</b>	12 x LR6 (AA) 1.5 V alkaline. 20 hours life, nominal @ 20°C (68°F) intermittent use.
<b>Operating Temperature Range</b>	-20°C to +50°C (-4°F to +122°F).
<b>Miscellaneous</b>	
Options	Accessory Socket, Backlight, Stethoscope, Antenna Clamp, Extended Range Antenna, Submersible Antenna, Sondes, Rechargeable Batteries.
Compatibility	Recommended Radiodetection Transmitters: RD400LCTx, RD400HPTx, RD433HCTx, RD433HCTx-2.
Quality Control	BS5750/ISO 9001/EN29001.
Warranty	12 months.

