

# RD400LCTx Lightweight Compact Transmitter

## Technical Specification

**Description:** RD400LCTx Lightweight compact transmitter.

**Part No:** 10/RD400LCTX.

### Physical:

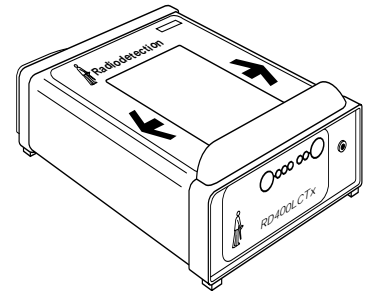
**Construction** High impact thermo plastic moulding, weatherproof to NEMA 3R and IP54.

**Dimensions** 27.5 x 17.5 x 9 cm (10.8 x 6.9 x 3.5 in).

**Shipping Box Size** 33 x 20 x 11 cm (12 x 7.8 x 4.3 in).

**Weight** 1.5kg (3.3 lb).

**Shipping Weight** 1.6 kg (3.5 lb).



### Operating Modes:

Mode	Frequency	Output Options
f1	400-700 Hz	Direct connection, clamp
f2	8.192 kHz	Direct connection, clamp, induction*
f3	32.768 or 65.536 kHz	Direct connection, clamp, induction*

\* Automatically selected when no cable or accessory connected.

**Audio Indication** Induction output or satisfactory connection - Pulsed tone.  
Induction not available or bad connection - Continuous tone.  
Insufficient battery power - No tone.

**Visual Indication** High brightness LEDs indicate power level and frequency selection.  
Pulsed power level LED indicates induction output or satisfactory connection.

**Output Protection** Output circuitry is protected against inadvertent connection to 110 V rms at 50/60 Hz.

**Signal** Continuous sine wave.

### Performance

Connection Performance		Open Circuit Voltage	Short Circuit Current	Optimum	Power in Load
	High Power	17.6 V rms	200 mA	N/A	1 W (all loads less than 300R).
	Low Power	7 V rms	80 mA	N/A	¼ W (all loads less than 150R).



**Radiodetection**

Induction Performance	Mode	Field Strength (dB V/m @ 3 m)	Induced Current (10R cable @ 0.5 m)
	8 k (High power)	120	1.6 mA
	8 k (Low power)	113	0.7 mA
	33 k (High power)	119	5.0 mA
	33 k (Low power)	112	2.0 mA

**Batteries** 4 x LR20 (D) 1.5 V alkaline. 60 hours life, nominal @ 20°C (68°F).

**Operating  
Temperature Range** -15°C to +50°C (+5°F to +122°F).

### Miscellaneous

**Options** Signal Clamps (2, 4, 8.5 and 15.5 in), Live Plug Connector.

**Compatibility** Recommended Radiodetection Receivers: RD400PXL, RD400PXL-2, RD400PDL, RD400PDL-2, RD400PL, RD400SL (8 and 33 kHz).

Other Radiodetection receivers are compatible, but this transmitter may not enable use of all their features.

**Quality Control** BS5750/ISO 9001/EN29001.

**EMC**  Complies with European EMC Directive 89/336/EEC.

**Warranty** 12 months.

