



FUNCTIONAL DESCRIPTION

BEACON

The beacon is equipped with UWB technology to establish a configurable exclusion zone. It is also equipped with GPS to track any incursions within its exclusion zone.

TECHNICAL SPECIFICATIONS

POWER

External power: 12V DC, 2.5A or 24V DC, 1.25A
 Internal power: Lithium-Ion 3.7V, 10Ah battery
 110V - 250V mains adapter supplied as standard

BATTERY LIFE & CHARGE TIME

Battery Life: 100 hours
 Fully discharged to 100%: 8 hours

COMMUNICATIONS

Watch PWS ranging:	Ultra-Wideband channels 5 & 9 (6.5 GHz & 8.0GHz)
	Max Range: 25 meters
Watch & Gateway communications:	Bluetooth Low Energy 5.0
	Max Range: 80 meters

PHYSICAL & ENVIRONMENTAL

DIMENSIONS

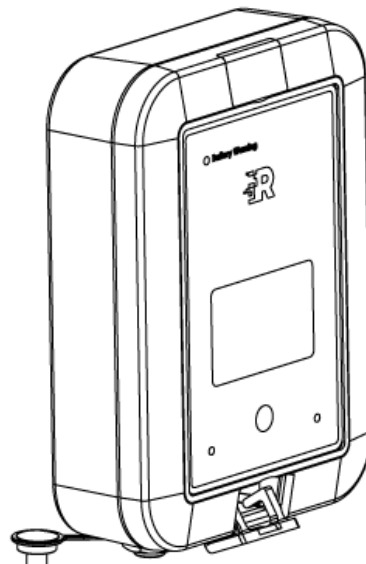
Width: 110 mm
 Depth: 150 mm
 Thickness: 40 mm

WEIGHT

Weight without battery: 250 grams
 Weight with battery: 450 grams

TEMPERATURE RANGE & HUMIDITY

Operating: -10°C to +40°C
 Storage: -20°C to +40°C.
 Humidity: up to 100% RH



DATASHEET- RLB-001

ENVIRONMENT & INGRESS PROTECTION

Suitable for indoor and outdoor use

Wet and dusty environments: Up to Pollution Degree 4

Maximum altitude: 2000m

Ingress protection: IP66

STANDARDS & CERTIFICATIONS

EMC & RADIO STANDARDS

EN55032, EN55035, EN 301 489-1, EN 301 489-17, EN 301 489-19, EN 300 328, EN 302 065-1, EN 302 065-2, EN 303 413

SAFETY STANDARDS

EN62368-1, EN IEC 62311



Reactec Ltd
Vantage Point House
3 Cultins Road
Edinburgh
EH11 4DF

If you require additional support, please email our technical support team:
helpdesk@reactec.com or call us at +44 (0)131 221 0921.

www.reactec.com/support/

Prevention engineering for workplace health.

