

SAFELINK PRO PLB

406 Beacon Specification

Standards applied

COSPAS-SARSAT T.007 Iss4 Rev1 Oct 2006,

EN 300-066 V1.3.1 (2001-01),

RTCM SC110 STD 11010.1,

Complies with AS/NZS 4280.2.

PLB temperature range Operating: -20°C to + 55°C

Storage -30°C to +70°C

Battery life 5 years storage from date of manufacture

Operating life 48 hours (minimum)

No. self tests 60 maximum, during 5 year battery life

Weight Approx. 0.3 kg (10 oz)

Approvals COSPAS-SARSAT, R&TTE

406 MHz transmitter

Frequency 406.037 MHz

Output power 5 Watts +/- 2 dB

Modulation Biphase L 1.1 +/- 0.1 radians

121.5 MHz transmitter

Output power 62mW +/- 3db PERP

Modulation AM up or down swept tone

Programming interface Infra-red diode

Number of satellites tracked 16

Typical accuracy +/- 62m 20 min. position updates

GPS Antenna Ceramic dielectric patch

AIS SART

Automatic Identification System Search And Rescue Transmitter.

Automatic Activation

An EPIRB that is activated when it comes in contact with water.

Automatic Deployment

An EPIRB that is automatically released from its housing when the integral HRU is submerged.

Category 1 EPIRB

An EPIRB that is automatically deployed and activated when in contact with water. The EPIRB may also be manually deployed and activated.

Category 2 EPIRB

A manually deployed EPIRB. Once removed from its bracket this EPIRB will be automatically activated when in contact with water or can be manually activated.

Class 1 EPIRB or PLB

Rated to operate down to -40 degrees Celsius.

Class 2 EPIRB or PLB

Rated to operate down to -20 degrees Celsius.

COSPAS-SARSAT

International satellite system for search and rescue. A joint operation between France, Canada, Russia and the USA who monitor the 406 MHz satellite system.

EPIRB

Emergency Position Indicating Radio Beacon.

FCC

Federal Communications Commission (USA).

GEOSAR

Geostationary Search And Rescue system. Part of the COSPAS-SARSAT satellite system.

GMDSS

Global Maritime Distress and Safety System.

HRU

Hydrostatic Release Unit. A release mechanism activated by water pressure.

IMO

International Maritime Organisation.

LEOSAR

Low-altitude Earth Orbiting Search And Rescue system.

LUT

Local User Terminal. A ground receiving station that picks up the initial EPIRB signal and relays it to the Mission Control Centre. The LUT also calculates the position the signal was transmitted from.

Manual Activation

An EPIRB that is activated by the user.

Manual Deployment

An EPIRB that is released from its bracket by hand. McMurdo EPIRBs are available with either a manual "Carrysafe" bracket or an Auto Housing.

MCA

Maritime and Coastguard Agency (UK).

MCC

Mission Control Centre. The MCC manages satellite information from the LUT and sends an alert to the Rescue Coordination Centre for the region.

MED

Marine Equipment Directive. European certification for equipment that meets the standards required by the IMO and SOLAS.

MOB

Man Overboard.

NOAA

National Oceanic and Atmospheric Administration (USA).

PLB

Personal Locator Beacon.

RDF

Radio Direction Finder.

RNLI

Royal National Lifeboat Institute.

SAR

Search And Rescue.

SART

Search And Rescue Transponder.

SOLAS

Safety Of Life At Sea. Minimum standards of safety set out by the International Maritime Organisation.

S-VDR

Simplified Voyage Data Recorder.

UIN

Unique Identifier Number programmed into an EPIRB or PLB.

USCG

United States Coast Guard.

Wheelmark

Awarded to products that conform to International Maritime Organisation (IMO) type approval.