

SAFELINK EPIRB (WITH GPS)

406 Beacon Specification

Meets the requirements of international standards:

IEC 61097-2 2008, IEC/EN 60945 Fourth edition (2002–08),

ETSI 300 066 v1.3.1 (2001–01), RTCM SC110-77-2002-STCD,

AS/NZS 4280.1:2003, RSS-287 Issue 1, February 2007.

Temperature

Operating -20°C to +55°C Class 2

Storage -30°C to +70°C

Power supply Non-hazardous lithium battery pack (LiMnO₂)

Battery storage life 6 years

Operational life 48 hours at -20°C

No. self tests 72 maximum, during 6 year battery life

EPIRB

Dimensions 250 x 111 x 91mm

Weight 627g

Bracket

Dimensions 111 x 43 x 91mm

Weight 52g

Float Free Container

Weight 653g (1.38lb)

Dimensions 287.6 x 147.5 x 96.7mm

(11.29 x 5.78 x 3.77 in.)

Warranty 5 years

ELECTRONICS

406.037 MHz transmitter

Frequency 406.037 MHz ±1kHz

Output power 5W nominal (37 dBm \pm 2dB)

Modulation 16K0G1D, Biphasic L \pm 1.1 \pm 0.1 radians 121.5 MHz transmitter

Frequency 121.5 MHz \pm 6kHz

Output power 50 mW (17dBm \pm 3dB)

Modulation 3K20A3X

GPS Receiver

Centre frequency Band L1 1.57542 GHz

Number of channels 20

Super Led flash

Type Super LEDs

Intensity Average 1, 8 Candela

Rate 23 flashes per minute

APPROVALS

For complete list of approvals, go to KANNAD MARINE website

www.kannadmarine.com

U.S. Customers please note: This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

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.