

kannad marine

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DISTRIBUTORS AND AGENTS THROUGHOUT THE WORLD



Dealer:

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KANNAD MARINE THE BRAND

Kannad Marine is an Orolia Ltd brand of marine safety and emergency location beacon products. The brand has been involved in the design and manufacture of marine electronic safety products since 1986.

The Kannad Marine range is a high quality, technologically advanced selection of emergency location beacon products including EPIRBs, PLBs and SARTs, and their AIS MOB device designed specifically with the marine leisure user in mind.

Our products encompass a number of innovative features that benefit both the user and the search and rescue authorities, ensuring a high level of safety for all our customers when enjoying their water sport or hobby.

Orolia Ltd has been producing marine safety products since the 1940's.

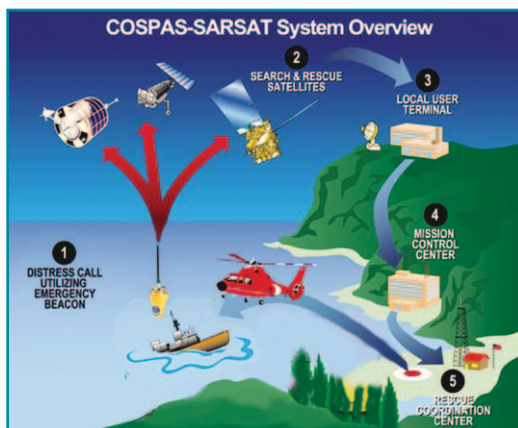
SERVICE AND SPARES

Orolia Ltd has a complete customer service operation that handles the repair and servicing of our full range of Kannad Marine products throughout the world. From scheduled beacon battery changes to the service and repair of used beacons, our team is here to help.

Our in-house service department operates in support of our worldwide service agents who are fully trained and certified to service and repair Kannad Marine equipment. For your nearest service agent please visit:

www.kannadmarine.com

An Emergency Position Indicating Radio Beacon (EPIRB) or Personal Locator Beacon (PLB) is used to alert search and rescue services in the event of an emergency. They do this by transmitting a coded message on the 406 MHz distress frequency. This message is relayed via satellite and earth station to the nearest rescue co-ordination centre.



406 MHz EPIRBs and PLBs work with the COSPAS-SARSAT polar orbiting and geostationary satellite system which provides true global coverage. The system has an alert delay of typically 45 minutes dependant on when the satellites come into view on the horizon.

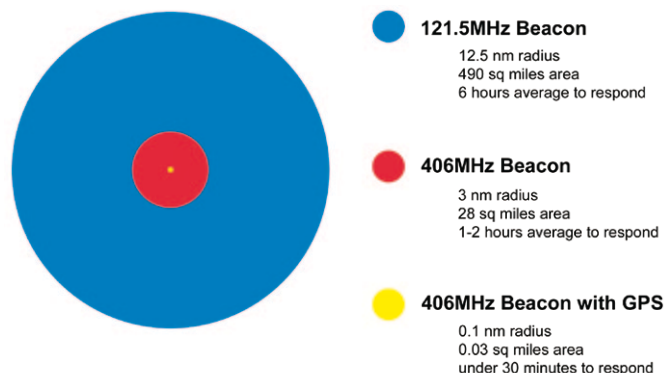
The satellite can determine the position of your EPIRB or PLB to within 5km (3 miles). The coded message identifies the exact vessel to which the EPIRB is registered or the person the PLB is registered to. This information allows the rescue services to eliminate false alerts and launch an appropriate rescue.

The GPS enabled EPIRB and PLB have built-in transmitters that will typically alert the rescue services within 4 minutes. GPS EPIRBs and PLBs are capable of providing typical positional accuracy of +/- 62m and regular position updates, given a clear view skyward.

All Kannad Marine EPIRBs and PLBs also have a secondary distress transmitter. This transmits on 121.5 MHz and is used for "homing" purposes. When the rescue services get close this allows them to home-in on the signal. To cater for searches at night, the EPIRBs have a high brightness LED flashing light that aids final visual location.

Since its inception in 1982 the COSPAS-SARSAT System has provided distress alert information which has assisted in the rescue of over 30,000 people in over 8,000 distress situations. The COSPAS-SARSAT Programme assists search and rescue (SAR) activities on a worldwide basis by providing accurate, timely, and reliable distress alert and location data to the international community on a non-discriminatory basis.

GPS EPIRBs



The GPS EPIRB and PLB have been designed to further enhance the lifesaving capabilities of conventional beacons. The standard Global Positioning System (GPS) uses an array of 27 satellites and provides continuous positional information with a typical accuracy of around 62m. A 406MHz EPIRB or PLB such as the Safelink SOLO or the Safelink PRO has built in GPS. When the beacon is activated in an emergency, positional information is incorporated into the distress message it transmits.

This incorporation of positional information overcomes the location problem when using geostationary satellites and can greatly reduce the time it takes for the SAR authorities to arrive on the scene. When speed of response and accuracy of location are important considerations, then the GPS EPIRB / PLB offers the best performance.

SAFELINK SPORTPRO+ GPS EPIRB

Meeting the demands of both commercial mariners and recreational boaters, the new SafeLink SPORTPRO+ is a compact and stylish 406MHz EPIRB with a built in high accuracy GPS, for enhanced position location.

Boasting a 6 year replaceable battery life, the SPORTPRO+ EPIRB range offers two models – one features a manual deployment bracket, the other an automatic deployment housing (see inset picture below) which also includes a hydrostatic release unit.

The SPORTPRO+ is designed to operate with the COSPAS-SARSAT international search and rescue system. The unit can be activated automatically by immersion in water, or manually by following the activation instructions printed on the unit.

The built in GPS receiver ensures that an accurate position of a casualty is relayed to the rescue services. This can in turn improve the speed of recovery by updating the position of the beacon at regular intervals.

Key Features:

- State-of-the-art multi-channel GPS
- Internationally Approved
- Transmits on 406 and 121.5 MHz
- Non hazardous battery for safe and easy transportation
- Stow safe carry bracket available for safe transportation
- High brightness LED flashing locator light
- 72 comprehensive diagnostic and self-tests during battery life
- Once activated, will transmit for a minimum of 48 hours
- 6 year battery life
- 5 year warranty



SAFELINK SPORTPRO EPIRB (NON GPS)

The SafeLink SPORTPRO EPIRB is a 406MHz entry level beacon. It has been designed to operate with the COSPAS-SARSAT 406 MHz international search and rescue system. It can be activated automatically by immersion in water, or manually by following the activation instructions printed on the unit.

It is fully certified to IMO SOLAS (commercial vessel) standards when purchased with fl

oat free automatic housing. For the recreational user, the SPORTPRO EPIRB comes with a manual deployment bracket. However, there is also the option to purchase the EPIRB with automatic housing if required.

The SPORTPRO has a 6 year replaceable battery life and is the ideal standard EPIRB for recreational boaters.

Key Features:

- Internationally Approved
- Transmits on 406 and 121.5 MHz
- Non hazardous battery for safe and easy transportation
- Stow safe carry bracket available for safe transportation
- High brightness LED flashing locator light
- 72 comprehensive diagnostic and self-tests during battery life
- Once activated, will transmit for a minimum of 48 hours
- 6 year battery life
- 5 year warranty

A float free automatic housing is available for the SafeLink SPORTPRO and SPORTPRO+ EPIRB.



What is a PLB?

SafeLink PLBs are designed to be carried by individuals as a last resort safeguard against any life threatening incidents that may occur anywhere in the world.

The SafeLink SOLO and SafeLink PRO PLBs use the same advanced technology as the Kannad Marine EPIRB, miniaturised into compact units and with the addition of state of the art multi-channel GPS inside. They are waterproof to 10m and designed to withstand the harshest of environments, whilst still being easy to operate and small enough to carry with you at all times.

The PLBs both use a unique discreet antenna deployment system with a simple three-stage manual operation technique to prevent any risk of accidental or false activation. In its stored state, the antenna is completely hidden from view and fully protected against rough handling. Once deployed, the antenna automatically springs into the optimum position ready for use.

On activation the PLB transmits an emergency signal via the dedicated 406 MHz distress frequency, which is monitored by the global COSPAS-SARSAT satellite system, alerting international search and rescue services to the emergency situation and the ID of the PLB user. In addition, the integral GPS gives search and rescue services accurate location coordinates with regular updates.



SafeLink SOLO PLB

Whatever your water sport or hobby, go faster, go further, go SOLO! The internationally approved SafeLink SOLO Personal Location Beacon (PLB) is tough, lightweight and compact. Easily activated in three simple stages, once activated the SafeLink SOLO PLB will transmit constantly for a minimum of 24 hours, and will operate at temperatures down to -20°C. It also has an SOS LED flashing light that the user can switch on to aid rescue in the dark. The SafeLink SOLO is particularly useful for sailing and water sports enthusiasts as it is waterproof to 10m and buoyant when used in its flotation pouch. It also comes complete with a lanyard to keep the PLB around your wrist, and a universal pouch allowing the PLB to be attached to a belt or webbing strap.



Belt pouch



Flotation pouch

Key Features are:

- 6 Year replaceable battery life
- Minimum 24 hours continuous operation
- Internationally approved
- SOS LED flash light
- No subscription & no call charges
- Compact, light and durable
- Waterproof to 10m and buoyant when used with flotation pouch
- True global emergency alerting via COSPAS-SARSAT satellites
- 406 MHz international distress signal and 121.5 MHz homing signal
- State-of-the-art multi-channel GPS
- Simple 3 stage activation
- Operates at temperatures down to -20°C
- Self-test up to 12 times per year
- Flotation pouch, lanyard and universal pouch included
- Land legal depending on the country regulations
- Safe Stow Antenna

GPS

406MHz

121.5MHz

6yr

24hr

WITH POUCH

SOS

FC

NO SUBSCRIPTION

IP

SAFELINK PRO PLB

Sail Safe with your SafeLink PRO PLB. The SafeLink PRO brings added dimensions to personal safety with a minimum 48 hour operational battery life at temperatures as low as -20°C. The battery packs have a five year storage life and are user replaceable. The SafeLink PRO's integral state of the art multi-channel GPS receiver gives search and rescue services your precise coordinates with regular updates. A green LED indicator light will start to flash, showing that a GPS position fix has been acquired. The PRO PLB is waterproof to 10m and floats on water. It is supplied complete with a carry pouch and lanyard.

Key Features are:

- Buoyant / floats
- Minimum 48 hour operational battery life
- Waterproof to 10m
- Internationally approved
- No subscription & no call charges
- Integral state of the art multi-channel GPS
- Transmits on 406 and 121.5 MHz
- LED visual indication of GPS position acquisition
- 5 year battery life
- 60 comprehensive diagnostic and self tests during battery life
- Global emergency alert via COSPAS-SARSAT satellites
- Simple three-stage manual operation
- Automatic discrete antenna deployment
- User replaceable battery
- Carry pouch and lanyard included



GPS

406MHz

121.5MHz

5yr

48hr

FC



ACCESSORIES

THE SAFELINK PLB DIVE CANISTER

This waterproof aluminium housing enables a diver to carry a SafeLink PLB to depths of 150m (500m). Divers can be secure in the knowledge that once they have returned to the surface they have immediate access to their SafeLink PLB if there are any threats to their safety.

Key Features:

Dimensions – 162mm x 93.5mm

Weight – 900g



GRAB BAG

Designed for marine use, this padded and buoyant Grab Bag is perfect for holding emergency equipment.

Key Features:

- High visibility
- Buoyant
- Splashproof
- Padded
- Dimensions – 35cm x 15cm x 24cm

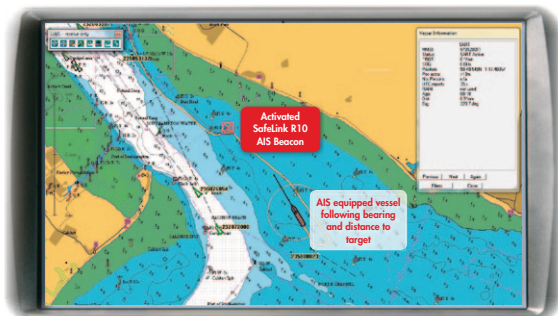


WHAT IS AN AIS MOB DEVICE?

An AIS MOB device is a revolutionary new personal safety aid that incorporates both AIS (Automatic Identification System) and GPS technology. The AIS MOB device has been designed to aid quick local recovery of missing crew members who have fallen overboard.

An AIS beacon transmits target survival information, including GPS position information and a serialised identity number back to the onboard chart plotter.* AIS MOB target information can be viewed using standard ships AIS equipment such as Class A and Class B transponders and a wide variety of receive only AIS units. AIS equipped vessels and land based VTS stations within the local vicinity will also have visibility of the AIS MOB signal. Whether displayed on the AIS itself or on a companion plotter or ECDIS screen, the unique MOB notification message will clearly indicate the exact location, distance and bearing to person(s) in need of assistance.

AIS equipment* displays the icon (pictured above). Precise target survivor information becomes viewable when the chart plotter/ECDIS* cursor is positioned over the icon.



**For use with AIS enabled chart plotters, contact your chart plotter manufacturer for further info. As AIS MOB devices are still very new, not all small-craft chart plotters with AIS show the correct icon as recommended by the IMO. At the very least, they will show the same icon as used for other craft – normally an arrow. In addition, user settings generally allow you to configure the display to show the MMSI number, which in the R10 always begins with 972. This way you can differentiate the R10 from other vessels. If in doubt, check with your plotter manufacturer how they display AIS MOB devices on screen. All new ECDIS plotters (on ships over 300 tonnes) will display the icon correctly.*

SAFELINK R10 SRS AIS MOB

The SafeLink R10 SRS (Survivor Recovery System) is the first of its kind, a personal AIS MOB device that transmits MOB notifications to all AIS enabled equipment within a 4 mile radius (typical).

The SafeLink R10 SRS can be mounted on a lifejacket using the attachment clips provided, prior to going to sea. It can be manually activated by sliding off the orange arming tab and pulling off the red activation cap to deploy the antenna and automatically switch ON the R10 SRS. If professionally fitted to certain types of gas-inflation lifejacket*, the R10 can become semi-automatic in operation; the action of the lifejacket inflating triggers the activation of the R10 SRS.

Carrying a SafeLink R10 is a must for every safety conscious sailor. Using this simple to operate, yet state of the art device ensures the ultimate chance of survivor recovery.

- Easy manual activation & semi-automatic operation option
- Transmits GPS target tracking information over AIS
- Compatible with plotters and onboard navigation systems to assist fast location and retrieval
- Small and lightweight for mounting on lifejacket
- Serialised TX ID
- LED flashing indicator
- Minimum 24 hour continuous operation
- 7 year battery life
- Safe stow antenna

**Contact lifejacket manufacturer for further information*



Easy activation – just slide off the orange arming tab, then pull off the red activation cap

GPS

7yr

24hr

AIS

NO SUBSCRIPTION

FC

ANTENNA

LIFEJACKET

WHAT IS A SART?

A SART is a 'search and rescue locating device' designed to assist in survivor craft location during rescue operations at sea.

Our SARTs are fully certified to IMO SOLAS (commercial vessel) standards, but are also ideal for leisure yachts and recreational boaters.

The SART should be stowed on board in a location where it can be quickly carried off into a survival craft. Alternatively, it can be stored in the life-raft itself. Once activated, the SART may be suspended inside the survival craft or mounted in an elevated position using the integrated extending pole.



RESCUER 2 SART

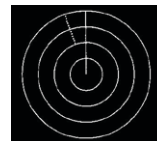
The Rescuer 2 SART is a 9GHz X-band GMDSS Radar transponder. It is highly reliable, compact and easy to use, even with gloved or wet hands. It is ideally suited for packing in life-rafts or as a carry-off device.

Once activated, when a radar signal is received from a ship or aircraft, the Rescuer 2 automatically sends a response signal, which clearly identifies the survival craft on the screen of any radar within range by means of a stream of 12 in-line dots. When in use the Rescuer 2 will remain in standby mode for over 96 hours and will automatically start sending a response signal to any radar transmission being received.

The Rescuer 2 SART has been designed for assisting air/sea ship or survival craft rescue operations and can withstand the toughest marine environments in accordance with IMO SOLAS regulations.

Key Features:

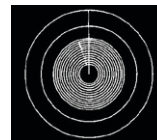
- For yacht or survival craft
- Buoyant and waterproof to 10m
- Compact and lightweight
- Replaceable 5 year battery life
- Audio/visual indication of operation
- Built-in test facility
- Integral lanyard
- Mounting options – internal/external



Radar view
SART at
6 miles



Radar
view
SART
at 2 miles



Radar view
SART
very close



SAFELINK AIS SART

The SafeLink AIS SART is a manual deployment survivor location device intended for use on life-rafts or survival craft. It meets IMO SOLAS requirements and is an alternative to a Radar SART. Compact, easy to operate and deploy, the SafeLink AIS SART is a portable device packed inside a quick release carry off bag for quick evacuation.

The SafeLink AIS SART transmits target survivor information using structured notification messages that send GPS position information and an identity number. Once activated, the SafeLink AIS SART transmits continually for a minimum of 96 hours. An inbuilt high precision GPS provides accurate position information to assist in quick recovery of survivors.

The SafeLink AIS SART is packed in a highly visible and buoyant carry case and can be wall mounted on board or stored inside a survival craft to afford maximum availability and protection in an emergency situation.

Key Features:

- Internationally type approved
- Ship or survival craft options
- Waterproof to 10m
- Buoyant / floats
- Rugged, compact and lightweight
- Non-hazardous battery for safe and easy transportation
- Minimum 96 hour operational battery life
- 6 year battery life
- LED visual indication of operation
- Built-in test facility
- Integral lanyard
- Mounting options – Internal / External
- High visibility yellow carry case
- Integral state-of-the-art multi-channel GPS

AIS

GPS

GMDSS



SAFELINK SPORTPRO+ GPS EPIRB

Approvals

Satellite system	Cospas-Sarsat T.001/T.007
Europe	IEC 61097-2 Marine Equipment Directive
USA	USCG/FCC approved (Part 80) FCC ID : KLS-E5-1
Worldwide	IEC 61097-2
Meets IMO resolution	A.662(16); A.694(17); A.810(19); A.696(17)

406 MHz Transmitter

Operating frequency	406.040 MHz ± 1 kHz
Power output	5 W typical
Modulation	Phase (16K0GID)

121.5 MHz Homer

Operating frequency	121.5 MHz ± 3.5 kHz
Power output	50 mW radiated typical
Modulation	Swept tone AM (3K20A3X)

Strobe light

Type	High intensity LED
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Battery

Type	Lithium manganese dioxide
Operating life	48 hours minimum
Shelf life	5 years storage

Environment

Operating temperature	-20 °C to +55 °C (-4° F to +131° F)
Storage temperature	-30 °C to +70 °C (-22° F to +158° F)
Automatic release depth	4 metres max. (13 feet)

Physical

Weight	770 grams (1.7 lb)
Height of body	21 cm (8.2 inches)
Length of antenna	18 cm (7 inches)

GPS Receiver

Centre frequency	1.57542 GHz
Sensitivity	-175 dBW minimum

SAFELINK SPORTPRO EPIRB (NON GPS)

Approvals

Satellite system	Cospas-Sarsat T.001/T.007
Europe	IEC 61097-2 Marine Equipment Directive
USA	USCG/FCC approved (Part 80) FCC ID : KLS-E5-1
Worldwide	IEC 61097-2
Meets IMO resolution	A.662(16); A.694(17); A.810(19); A.696(17)

406 MHz Transmitter

Operating frequency	406.040 MHz ± 1 kHz
Power output	5 W typical
Modulation	Phase (16K0GID)

121.5 MHz Homer

Operating frequency	121.5 MHz ± 3.5 kHz
Power output	50 mW radiated typical
Modulation	Swept tone AM (3K20A3X)

Strobe light

Type	High intensity LED
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Battery

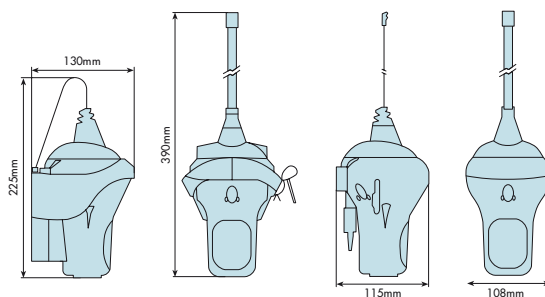
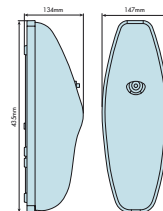
Type	Lithium manganese dioxide
Operating life	48 hours minimum
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Environment

Operating temperature	-20 °C to +55 °C (-4° F to +131° F)
Storage temperature	-30 °C to +70 °C (-22° F to +158° F)
Automatic release depth	4 metres max. (13 feet)

Physical

Weight	770 grams (1.7 lb)
Height of body	21 cm (8.2 inches)
Length of antenna	18 cm (7 inches)



Dimensions for SafeLink SPORTPRO and SPORTPRO+ EPIRB.

SAFELINK SOLO PLB

Standards applied

COSPAS-SARSAT T.001/T.007 class2
RTCM SC110 STD 11010.2
ETSI EN 302-152-1
AS/NZS 4280.2 NSS-PLB06

Environmental

Exterior Finish	Sealing: Temporary immersion to 10m (30 ft) for 5 mins. (IP 58, IPX7)
Operating temperature	Class 2, -20°C to +55°C (-4°F to +131°F)
Storage temperature	Class 2, -30°C to +70°C (-22°F to +158°F)
Altitude	MIL-STD-810E (40,000 feet)

Battery

Battery Type	6V Lithium Metal
Battery storage	6 years
Battery replacement	By service centre
Battery use	Logged by microcontroller

Operation

Activation	Three stage manual activation
Self test	Tests transmitters, battery and light
SOS flash light	Morse code SOS pattern (30 operations allowed)

406 MHz transmitter

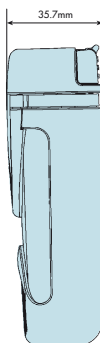
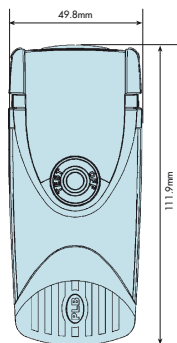
Frequency	406 MHz band
Output power	5 Watts +/- 2 dB
Modulation	Biphase L 1.1 +/- 0.1 radians

121.5 MHz transmitter

Output power	62mW +/- 3db PERP
Modulation AM	up or down swept tone
Programming interface	Infra-red diode

Physical

SafeLink SOLO	Category 2, will float in buoyancy pouch provided
Size (D x W x L)	36 x 50 x 112mm (1.42" x 1.97" x 4.40")
Weight	165g (5.8oz)
GPS	State-of-the-art multi-channel
Receive Antenna	Ceramic Patch
GPS Self test:	Position acquisition test (10 operations allowed)



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.

Category 1 floating PLB

PLB temperature range	Operating: -20°C to +55°C
Storage	-30°C to +70°C
Battery life	5 year storage from date of manufacture
Operating life	48 hours (minimum)
No. self tests	60 maximum, during 5 year battery life
Weight	Approx. 300g (10 oz)
Approvals	COSPAS-SARSAT, R&TTE
Indicator	LED

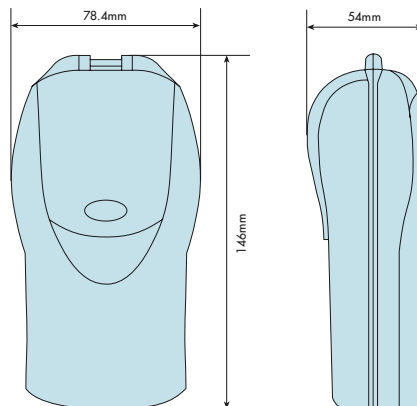
406 MHz transmitter

Frequency	406 MHz band
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

GPS	State of the art multi-channel integral receiver
Typical accuracy updates	+/- 62m 20 min. position
GPS Antenna	Ceramic dielectric patch



SAFELINK R10

Environmental

Exterior finish	Hi impact ABS/PC Yellow
Sealing depth	Immersion to 5m (16.4ft)
Operating temperature	-20°C to +55°C (-4°F to +131°F)
Storage temperature	-30°C to +70°C (-22°F to +158°F)

Battery

Type	6V Lithium Metal
Replacement	By service centre
Use	Logged by microcontroller

Operation

Activation	Manual two stage
Self test (short)	Battery use indication
GPS Self test (long)	MOB TEST transmission with GPS position

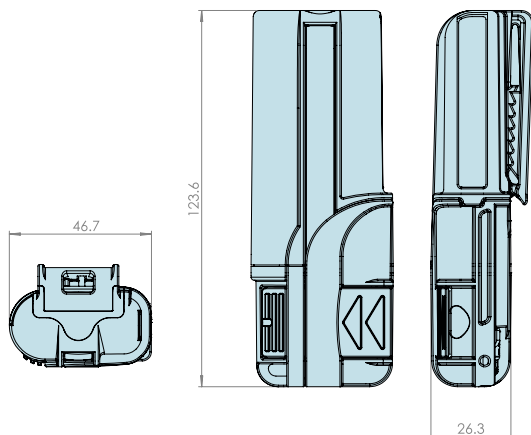
Electrical

AIS Transmitter	
Frequency	AIS channel 1- 161.975 MHz, AIS channel 2 - 162.025 MHz
Power	2W nominal
Transmit antenna	Sprung whip
AIS messages transmitted	Message 1 (ID, GPS position, SOG, COG, UTC) Message 14 (MOB ACTIVE or TEST) Factory programmed

TX ID number	
GPS receiver	
GPS type	50 channel
Antenna type	Ceramic patch
GPS position update	Every minute

Physical

Size (D x W x L)	27 x 47 x 124mm (1.1" x 1.6" x 4.7")
Weight	120g (4.23 oz)
Battery replacement interval	7 years



RESCUER 2 SART

Beacon Specification

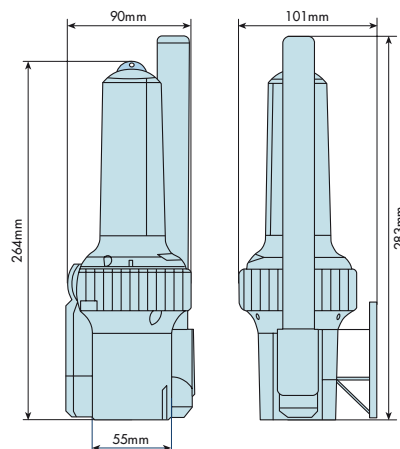
Receiver Response:	9.2–9.5 GHz, sensitivity better than -50 dBm
Transmitter Response:	12 forward and return sweeps through the range 9.2–9.5 GHz. Nominal sweep times 7.5_s forward and 0.4_s return
Radiated Power (ERP):	Not less than 400 mW (+26 dBm)
Duration of Operation:	96 hours in standby condition followed by a minimum 8 hours of transmission while being continually interrogated with a pulse repetition frequency of 1 kHz

Environment

Temperature Range:	-20°C to +55°C operational -30°C to +65°C storage
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Physical

Effective Antenna Height:	1 metre or greater
Weight:	360g (without mast or bracket) 510g (with mast) 530g (with mast & bracket)
Dimensions:	264mm long x 90mm diameter
Battery:	Lithium metal
Battery replacement interval:	5 years



SAFELINK AIS SART

Beacon Specification Standards applied

AIS SART	IEC 61097 -14, IEC 60945
Radio	ITU-R1 M.1371
GNSS / GPS	IEC 61108-1
IMO	MSC.246(83)
Type	IMO AIS SART Non float free
Operation	Manual activation, switch protected by anti-tamper cover. Self-test checks transmitter, battery, GPS and indicators

AIS Transmitter

Operating Frequencies	AIS1, 161.975 MHz AIS2, 162.025 MHz
Power output	1 W EIR
AIS message type	1, 14
Modulation	GMSK
Antenna	An integrated vertical element

Battery

Type	Lithium metal
Operating life	96 hours minimum
Storage	6 years
Service	Replaceable

GNSS

GPS 20 channel

Environment

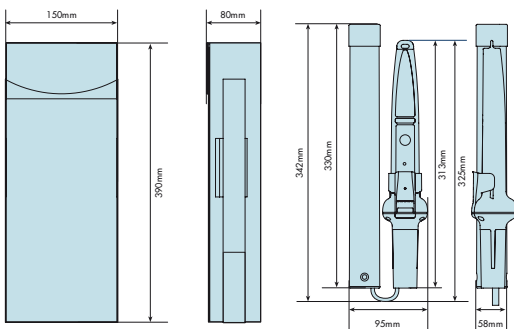
Operating temperature	-20 °C to +55 °C
Storage temperature	-30 °C to +70 °C
Waterproof Immersion	up to 10m
Buoyancy	Buoyant / float
Exterior Finish	High visibility yellow
Compass safe distance	0.2m

Physical

Weight (main unit)	160 grams
Weight (including pole)	450 grams
Length	
(including pole extended)	155 cm
Lanyard	10m, 50Kg breaking strain

Mounting

Stowage case (packed)	940g, H390 x D80 x W150mm
Bulkhead bracket	230g



24 hr Battery
Operational battery life.



48 hr Battery
Operational battery life.



121.5 MHz Homing Signal
Transmits homing signal on 121.5 MHz frequency.



406 MHz Distress Signal
Transmits a unique ID/coded message on the dedicated 406 MHz distress frequency.



AIS
Automatic Identification System.



Battery life
Shown in years.



Boyant
This product will float.



EPIRB
Emergency Position Indicating Radio Beacon.



FCC
Federal Communications Commission (USA).



Float Accessory
This product will float in accompanying buoyancy pouch.



GMDSS
Global Maritime Distress and Safety System.



Land
This product can be used on land.



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



MOB
In built AIS MOB alarm feature.



PLB
Personal Locator Beacon.



Safe-Stow Antenna
Antenna stored under temper-proof cap to protect against damage and false activation.



SOS Light
SOS LED flash light to aid recovery.



No Subscription
No subscription fee to pay.



User Replaceable Battery
Replacement battery packs can be bought from stockists worldwide and installed by the user.

AIS MOB Device

A personal safety device which incorporates both AIS (Automatic Identification System) and GPS technology.

AIS SART

Automatic Identification System Search And Rescue Transmitter.

Automatic Activation

An EPIRB that is activated when it is submerged in 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 submerged. The EPIRB may also be manually deployed and activated.

Category 2 EPIRB

A manually deployed EPIRB. Once removed from its bracket this EPIRB can be manually activated or will be automatically activated when submerged.

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.

ECDIS

Electronic Chart Display and Information Systems.

GEOSAR

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

HRU

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

IMO

International Maritime Organisation.

LEOSAR

Low 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 manually. Kannad Marine EPIRBs are available with either a manual "Carrysafe" bracket or an automatic 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 responsible for the region.

MMSI

Maritime Mobile Service Identity number.

MOB

Man Overboard.

NAVTEX

NAVTEX (Navigational Telex) is an international automated frequency service for delivery of navigational warnings, meteorological forecasts and other urgent marine safety information to ships.

NOAA

National Oceanic and Atmospheric Administration (USA).

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.

UIN

Unique Identifier Number programmed into an EPIRB or PLB.

USCG

United States Coast Guard.

VTs

Vessel Traffic Service.

Wheelmark

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