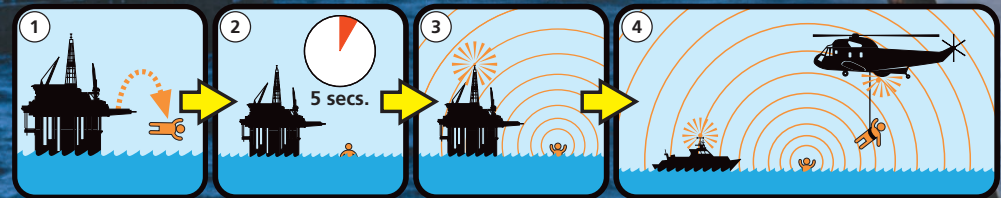


Man Overboard Alert & Locate Systems

Intrinsically Safe (ATEX)



www.seamarshall.com



OPTION 1 - SARfinder® MOB LOCATING System



includes ...

SARfinder® 1003 MOB locator, Base Unit, fitted to Rig/Support vessel and an ISPLB8X, Alerting Unit, worn by each crewmember.



**FULLY
AUTOMATIC
CONTINUOUS
MONITORING
OF CREW**

OPTION 2 - Crewguard MOB ALARM System



includes ...

Crewguard CG-121MKII MOB alarm, Base Unit, fitted to Rig/Support vessel and an ISPLB8X, Alerting Unit, worn by each crewmember.



**IMMEDIATE
ALERTING OF
MAN OVER
BOARD
INCIDENT**

'PEACE OF MIND'

(NOTE: both Base Units have external relays to connect them with external devices/engine cut off, GPS through CREWFIX NMEA output etc.)

PLB8-LR 'SOS' Man Overboard Alerting Unit

ATEX – Intrinsically Safe Approved (refer to P6 for details)

- No limit to the number of PLBs
- No limit to crew size
- Fully Automatic easy to use and maintain
- Miniature size
- User replaceable battery, 5 year battery
- Fully waterproof and robust
- Self Test facility & Battery Status Indicator
- Easily Integrated into lifejacket
- 121.5MHz Integrates with SAR services
- Test Frequencies 121.65 MHz and 121.775 MHz available



OPTION 1 - SARfinder® 1003 Base Unit
'Dedicated MOB ALARM & LOCATING unit'

- Automatic immediate Alerting & Locating of an MOB
- Easy to operate with user friendly controls
- Shows direction of MOB relative to rig/support vessel on clear LED compass style display
- Approximate range indicator – near or far
- MOB collision avoidance warning indicator
- High quality construction
- Antenna (includes 16m cable & brackets)
- External Siren/Alarm included for loud audio MOB alerting
- Waterproof IP-66 display (fully sealed IP-67 version available), IP-67 Antenna
- Test & Trials Frequencies 121.65MHz & 121.775 MHz 12/24V power supply
- Option for Sea Marshall® CREWFIX® NMEA GPS output
- Low cost... used by professional operators worldwide



Surface Mounted



Flush Mounted

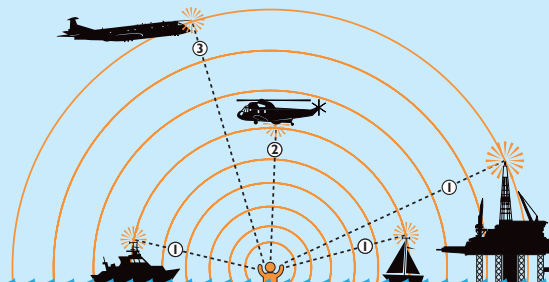


Bracket Mounted



Antenna

Personal Locator Beacon (Alerting Unit)
Approximate Range Distances



- ① 0.75 to 1.5 nautical miles from a ship to a man in the water depending on the height at which the Base Units antenna is located and the sea state.
- ② 7 to 15 nautical miles to a helicopter at 1,000ft.
- ③ 35 or more nautical miles to a fixed wing aircraft over 10,000ft, increasing with altitude.

OPTION 2 - Crewguard CG-121 Mk.II Base Unit
'Dedicated MOB ALARM unit'

- Automatic immediate Alerting of a Man Overboard incident
- Easy to operate with user friendly controls
- Approximate range indicator – near or far
- MOB Collision avoidance warning indicator
- High quality construction
- Waterproof IP-66 display (fully sealed IP-67 version available)
- Test & Trials Frequencies 121.65MHz & 121.775 MHz 12/24V
- External Siren/Alarm included for loud audio MOB alerting
- Optional external antenna for extended coverage on large rig/support vessel
- Option for Sea Marshall® CREWFIX® NMEA GPS output
- Low cost... used by professional operators worldwide



Surface Mounted



Flush Mounted

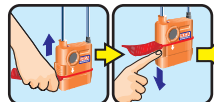


Bracket Mounted



Base Unit

**ISPLB8X (SMRS8X)
MAN OVER BOARD
ALERTING UNIT**



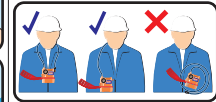
Frequency: 121.5 MHz LIVE
Battery: Lithium ULJ9V PP3 (5 Year) USER REPLACEABLE
Case Dimensions: 73mm x 70mm x 29mm
Modulation: Continuous swept Tone A3X
Temp. Range: -25C° to +55C°
Approvals: **CE 01910**

Ⓢ EEx ib IIB T4
EN 50014 : 1997 A1, A2
EN 50020 : 2002
Cert. no. KEMA 03ATEX1451 Issue 1
FCC ID: N1WG GC 493397
Transmit Endurance: Average 20-30 hours
Output Power: 100mW/20dBm
Test Unit: 121.65 MHz and 121.775 MHz
Activation: Manual & Automatic (Salt & Fresh Water)
Antenna: 1 metre contained in clear protective shroud
Weight: 170gms (approx)

Note: In the case of accidental activation, the users should deactivate the AU and notify the appropriate SAR authority.

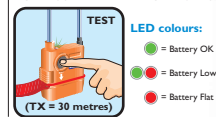


CORRECT WEARING: TO ENSURE AUTO-ACTIVATION AND A STRONG 'SOS' SIGNAL, POSITION BODY OF PLB BELOW WATER LEVEL WITH ANTENNA AS HIGH UP YOUR BODY AS POSSIBLE. PLB CAN BE FITTED INTO LIFEJACKET.



PRECAUTIONS:
1. USE IN EMERGENCY ONLY!
2. KEEP YOUR PLB CLEAN - RINSE WITH FRESH WATER
3. AFTER EXTENDED USE ALWAYS REPLACE BATTERY
4. DO NOT CREASE ANTENNA
5. TEST REGULARLY
6. TRANSPORT IN OFF POSITION

TESTING YOUR UNIT/BATTERY: DURING TESTING YOUR UNIT WILL RADIATE A LOW POWER SIGNAL FOR APPROX 50 METRES. THIS CAN BE CHECKED ON A BASE UNIT. THE ANTENNA NECKLACE WILL FLASH. CHECK YOU WILL NOT TRIGGER AN ALARM BEFORE TESTING.



Declaration of Conformity

We Marine Rescue Technologies Ltd. Incorporating Sea Marshall® Of No. 35, North Bar Within (1st Floor), Beverley, East Yorkshire, HU17 8DB, United Kingdom; declare that the product, and product family, identified below complies with the essential requirements of Council Directive 99/05/EC according to the conformity assessment procedure laid down in Annex IV of the Directive. QQ-RTTE-06/02-01 and will continue to do so until the end of the year 2016.

**PRODUCT: Sea Marshall® PLB8 series Portsmouth January 25th 2002
Maritime Man Over Board Homing Device on 121.5 MHz**

PRODUCT FAMILY HISTORY (Note: some units are no longer in production):

Describes other family members of the Sea Marshall® PLB8 series

ISPLB8 Intrinsic Safe rated Eex ib IIB T4, Zone 1 (introduced 28/01/1999)

PLB8-LD Depth rated to 100metres, non buoyant (introduced 17/01/2000)

PLB8 -MS Submariner version customised for Military use, 300 metre depth rated. (introduced 11/07/2000)

PLB8-LR Standard use, light antenna PLB (introduced Jan 2001)

ISPLB8X Intrinsic Safe ATEX (introduced 2003)

PLB8-LR 'SOS' Standard use, detachable antenna, Internal Loud Speaker, SOS flash, re-branded 'SOS' (introduced Jan 2006)

PLB8-LD 'SOS' Diver depth rated 100m, re-branded 'SOS' (introduced Jan 2006)

ISPLB8 'SOS' Intrinsic Safe rated Eex ib IIB T4, Zone 1, detachable antenna, re-branded 'SOS' (introduced April 2006)

ISPLB8X Intrinsic Safe rated Ⓢ EEx ib IIB T4, non detachable antenna (introduced April 2007)

PLB8-LR 'SOS' Standard use, non detachable antenna, Internal Loud Speaker, SOS flash, re-branded 'SOS' (introduced April 2007)

(NOTE: For the USA, PLB8 is replaced by SMRS8)

The product is labelled with the CE conformity marking and the identification number of the notified body consulted in the conformity assessment procedure. **CE 01910**

PLACE & DATE:
Beverley, East Yorkshire
United Kingdom

April 2006

SIGNED:

NAME OF SIGNATORY:
David Marshall



'Sea Marshall® Searching New Horizons'

Distributed by:



Used by Professionals World-Wide

Manufacturer: **MARINE RESCUE TECHNOLOGIES LTD**
35 North Bar Within, Beverley, East Yorkshire
HU17 8DB, United Kingdom
email: sos@seamarshall.com
tel: +44(0)1482 475850
fax: +44(0)1482 475855