

MAN OVERBOARD LOCATOR BEACON

Salcom Model No: 12-24-0000



In the event a crew member wearing a Salcom MOB Locator Beacon falls or is washed overboard from a commercial or recreational vessel, the beacon will activate automatically (if armed) when immersed in water. It may also be manually activated.

Once activated, the locator beacon will transmit an emergency signal and if monitored by a locator receiver, the crew will be alerted immediately and can track and locate the missing person(s).

The emergency transmission can also be received by search aircraft, but it must be stressed that the beacon is designed for man overboard monitoring and should not be used as a substitute for an EPIRB.

The MOB locator beacon transmits two types of identification, the unit's serial number and a personal ID. If monitored by a Salcom 12-25 Man Overboard Alarm and Locator Receiver, the serial number and personal ID will appear on the display. The serial number is also transmitted in morse code making it possible to identify the unit using other receivers.

The MOB locator is about the size of a cigarette packet with its aerial incorporated in the lanyard allowing the unit to be worn around the neck. The unit is waterproof and once armed it can be activated either manually or automatically if submerged in water. The user-replaceable battery delivers at least 12 hours of continuous transmission and it has a shelf life of 10 years.

While the locator unit is primarily designed to be used as a man overboard locator, it can serve equally well as a lost diver search and location system either in conjunction with the Salcom 12-25 Alarm and Locator Receiver, or by relying on search aircraft.

- Dimensions: 65 x 80 x 30mm
- Weight: 146 gms
- Frequency: 121.5MHz (121.4MHz and others to order)
- Power Output: 100mWatts (50 Ohm)
- Transmission Mode: A.M. downward swept cycle between 300-1600Hz
- Data Identification: Morse code 12 wpm Serial 600 baud
- Endurance: up to 24 hours
- Securing: neck lanyard
- Antenna: built into lanyard - flexible
- Water Activation: after 3 seconds
- Battery: U9V-J Lithium (shelf life: 10 years)
- Standards: Designed to meet AS/NZS 4869.1.2006 & ETSI EN300 152
- 5 year Warranty



See overleaf for details on the Salcom Alarm & Locator Receiver.

MADE IN NEW ZEALAND

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MAN OVERBOARD ALARM AND LOCATOR BEACON

Salcom Model No: 12-25-0000



The Salcom 12-25 Man Overboard Alarm and Locator Receiver compliments Salcom Man Overboard Locator Beacons and is capable of providing a Man Overboard Alarm system and a Man Overboard Location System in a single device. It can also detect transmissions from most models of Man Overboard Beacons (MOB), Personal Locator Beacons (PLB) and EPIRBs since all of these devices transmit on the same 121.5MHz distress frequency.

The receiver displays the identification and transmission time of activated Salcom Man Overboard Locator Beacons. It also displays signal strength which can be used to give an indication of the approximate location of an activated Man Overboard Locator Beacon using the direction finding technique described in the user's manual.

A relay output is provided which can be used to trigger a "Man overboard" or "Engine Kill Switch" on some GPS receivers. An input for an external GPS receiver is available so that GPS coordinates can be automatically displayed when a MOB locator beacon is activated.

This data is retained as a GPS reference to the position of the vessel at the time the initial man overboard emergency transmission was received. The vessel can then turn about and proceed back to that location.

The small receiver can be hand held or bracket mounted. It has an easy to read LCD display and is both mains and battery powered.

Since the frequency of the MOB Locator Beacon transmission is the same as the homing transmitter of an EPIRB, it can also be used by Search and Rescue to pinpoint a survivor.

Frequency:	121.5MHz with optional 121.65 or 121.4 MHz test frequencies
Sensitivity:	-113 dBm
Selectivity:	-60dB
Indicators:	<ul style="list-style-type: none"> • Signal strength bar graph • Identification number • 16 character programmable ELB ID • GPS NMEA data if connected to a GPS receiver • On-air transmission duration time from Salcom MOB locator beacon
Antenna:	BNC connector - supplied with helical antenna
Audio:	Internal speaker - extension speaker output
Output:	0-24 volt 1 amp relay on receipt of alarm
Input:	External GPS receiver NMEA data
Supply:	9 volt internal battery and external 12-24V DC charger (the unit is normally charged by connection to the vessel's power supply)
Interface:	A 12-28 interface unit is supplied providing a link between the receiver and the charging supply and other control functions.
Mounting:	Mounting bracket supplied
Dimensions:	115 x 85 x 35mm
Weight:	220 gms



What's in the box?

In addition to the MOB receiver, a complete kit is provided to simplify the installation process.

1. 12-25 MOB Receiver
2. Mounting Bracket
3. Antenna
4. User's Manual
5. 12-28 Interface Box
6. Interface Cable

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