



ALERT Man-Overboard Alarm System™

Frequently Asked Questions

Most marine fatalities occur because someone fell overboard without a personal flotation device AND the vessel was unaware they fell overboard. Instantaneous notice, in addition to training of the crew in marine survival rescue, greatly improves the chances that a man overboard will not result in a fatality.

The ALERT Man-Overboard Alarm System™ is made up of:

- ALERT2™ and ALERT418® Man-Overboard Transmitter (worn by crew member)
- ALERT2™ and ALERT418® Man-Overboard Receiver (installed on boat or location where rescue operation can begin)
- ALERT2 Man-Overboard Portable Direction Finder™ (crew member holds device to direct location of man-overboard)

All these products have been created to identify to the crew that a man-overboard situation exists and finding that person is greatly improved because of the quick response of the ALERT Man-Overboard Alarm system.

What is the ALERT Man-Overboard Alarm System?

The ALERT Man-Overboard Alarm System is a marine safety system designed to notify the vessel if someone falls overboard within seconds, and locate the Crew Member Overboard (MOB). It includes an automatic, water-activated Transmitter and an on-vessel Receiver. Additionally, a Portable Direction Finder can be utilized to home in on the Transmitter's transmission. Upon hitting the water, the Transmitter immediately transmits to the Receiver on the boat, alerting the crew of a fall overboard. The Receiver sounds an internal siren and can be wired for additional Man-Overboard alerting functions. The Receiver can also shutdown the engine, and mark a position on a compatible chart-plotter system. There are two types of ALERT Man-Overboard Alarm System Products. Both work with each other's devices and have features and benefits that works best for your safety budget.

How does it know when someone falls overboard?

The ALERT Man-Overboard Alarm System has a water activated transmitter that is easily and comfortably worn by the deck crew. Because of the transmitters long battery life, and low voltage requirements, the ALERT Transmitter is automatically sensing any large amount of water. If the transmitter becomes submerged for a few seconds, it begins transmitting a radio signal to the ALERT Receiver on the boat. When the receiver picks up the signal it sounds a loud alarm, alerting the deck crew, allowing for a locally managed rescue operation. It works in fresh or salt water.

How does the ALERT Man-Overboard Alarm System locate the person overboard?

With the optional ALERT2 Portable Direction Finder, the victim can be located when the hand held antenna is swept around the horizon and pointed in the direction of the MOB. Maximum range is one nautical mile.

How does the ALERT Man-Overboard Alarm System help the single handler?

The shipboard mounted receiver has relay contacts that can be wired into various devices such as an engine shut down or autopilot disconnect. This gives the victim a chance to swim back to the boat.

How many ALERT Man-Overboard Transmitters can be used?

There is no limit to the number of transmitters. Every crew member should wear one on their Personal Flotation Device (PFD).

Will the ALERT Man-Overboard Transmitter switch on if I get splashed on deck?

When mounted in its pouch (included), rain and waves splashing against it will not activate the water sensor. However, in conditions where excessive water is around the crew member, for example commercial fishing vessels where pulling lines over shoulder will drip water over the ALERT2 Transmitter, a Spray-tight pouch is available to protect the ALERT2 from sending unwanted transmissions. The ALERT418 transmitter is shipped standard with a spray-tight pouch.

What is the difference between the ALERT Man-Overboard Alarm and an EPIRB?

An EPIRB is designed to transmit to a satellite which will retransmit a position to the authorities. It may take many hours before a search effort is coordinated. The ALERT Man-Overboard Alarm System is a local transmission beacon for the boat and provides quick notification for the fastest rescue because it's automatic water activation alerts the boat as the MOB is coming up for their first breath of fresh air.

Will the ALERT interface with my Chartplotter software?

The ALERT418 Receiver has a serial port and can be connected to Chartplotting software that accepts a NMEA 0183 complaint MOB command.

Will the ALERT Man-Overboard Alarm work underwater?

Technically the ALERT2 and ALERT418 Transmitters are transmitting underwater but the transmission might not be received by the Receiver if the transmitter is deep in the water. The UHF frequency is based on "line of sight" therefore the higher the transmitter is located (as in held overhead by the person in the water) a better reception can occur. This is why a PFD should be worn and the Transmitter mounted high on the PFD.

What do I have to do to maintain the ALERT Man-Overboard Alarm System?

The ALERT2 Transmitter uses two (2) 3.6 volt replaceable lithium batteries (included) with a 10-year shelf life. The ALERT418 Transmitter uses two (2) CR123A replaceable lithium batteries (included) with a 10-year shelf life. You can arm the Transmitter and leave it in that state for up to 10 years. Though we highly recommend testing your ALERT2 and ALERT418 Transmitters periodically. Replace the batteries after emergency use.

Who is using the ALERT Man-Overboard Alarm System?

The ALERT2 is currently in use by the U.S. Coast Guard, Pilot Vessels, Tug Boats, Fishing Vessels, Powerboats, Marine Terminals and Offshore Sailboats. Any company concerned about their employees working on or near water that an accidental fall-in-the-water activity may occur.

What type of warranty comes with the products?

All ALERT products come with a 3-year parts and labor warranty.



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