

ALERT418® Man-Overboard Alarm System



Man-Overboard Alarm in Seconds

- Water activated to immediately alert the vessel or guard house
- Six LEDs to provide enhanced visibility of fall overboard
- Easy to use and wear including self-inflating PFD's
- Proven, reliable and durable
- Wire additional devices for expanded MOB notification including NMEA 0183 chart plotter support

ALERT418® Transmitter Product Description

The ALERT418® Overboard Transmitter is the newest addition to the ALERT Overboard Alarm System, which has been protecting mariners since 1996. The ALERT418 Transmitter, like its predecessor, transmits to the vessel upon hitting water, immediately notifying the crew of a fall overboard. For a vessel moving 6 knots, a person who has fallen overboard will drift 100 feet in 10 seconds potentially drifting out of sight. The alarm of the ALERT418 provides the crew with those critical first seconds needed for a successful, locally managed man overboard rescue. The ALERT418 Transmitter leverages the latest technology while maintaining the commercial grade capabilities of strong enclosure, one nautical mile transmission range, and long lasting operating conditions. The unit includes six LED lights that provide enhanced visibility of the fall overboard.

Ease of use, automatic, and an intelligent messaging system, makes the ALERT418 Transmitter an essential safety device for anyone on the water. The ALERT418 Transmitter works with ALERT418 Receiver and the ALERT2 Portable Direction Finder. It comes in a spray-tight pouch. To place inside an inflatable PFD, remove from pouch and install using provided clip.

ALERT418® Receiver Product Description

The ALERT418® Man-Overboard Receiver immediately alarms the crew and vessel of a man-overboard situation in seconds. When the difference between life and death is three minutes, the best chance of a successful rescue is by the crew onboard.

The ALERT418 Receiver is installed aboard the vessel or on land for shoreside awareness. When the ALERT418 Receiver picks up an ALERT2 or ALERT418 Transmitter signal, an internal siren sounds in the Receiver and the digital display is illuminated with important information such as the location of the vessel at time of incident and ID number of ALERT418 Transmitter that is transmitting (ALERT2 Transmitter does not transmit unit ID). In addition to this valuable information is a Relative Signal Strength Indicator (RSSI) which provides a numeric reading of the strength of the ALERT Transmitter. The ALERT418 Receiver also has the ability to be wired so it can shutdown the engine, mark a position on a compatible Chart Plotter, sound external alarm systems, and other options.

ALERT418® Receiver Product Description Continued

Automatically Activated

Upon immersion in water, the ALERT Transmitter instantly sends a radio signal to the onboard ALERT418 Receiver to alarm the crew and vessel of a fall-overboard.

Alerts in Seconds

When every second counts, the ALERT Man-Overboard Alarm System instantaneously alarms the vessel, providing the crew the critical extra seconds needed for a successful man overboard rescue. Unlike AIS, the response of the ALERT418 Receiver is immediate. There is no lag time connecting with satellites.

Wired for Engine Kill

For singlehandlers and solo fisherman, the ALERT Man-Overboard Alarm System can be wired to shut off the engine in the event of a fall-overboard, enabling the man overboard to get back to the boat.

Plot Overboard Waypoint

The ALERT418 Man-Overboard Receiver can easily connect to a compatible plotter to instantly mark the location of the fall overboard. Sending a NMEA 0183 compliant sentence, compatible chartplotting software will display the location of the incident.

The ALERT418 Receiver can be directly wired to the boat's 12-volt wiring system or connected via optional 110-volt power supply.

Displays Valuable Transmitter Unit Information

- Unit ID number - to immediately know who fell overboard
- Signal strength indicator - find the MOB quicker based on signal strength of the MOB's transmitter
- Low battery indicator - easily know when a transmitter needs new batteries to ensure the crew is always prepared for a man-overboard situation

An ALERT418 Receiver supports an unlimited number of ALERT2 or ALERT418 Transmitters.

ALERT418® Transmitter Technical Specifications

Dimensions:	4.75" x 1.50" x 1" (11.4cm x 3.8cm x 2.5cm)
Weight:	3.6 ounces with batteries (102 grams)
Power supply:	Two 3.0 Volt CR123A sized lithium batteries
Controls:	Armed / Reset
Attachments:	Sprat-tight pouch or clip to attach to inside of inflatable PFD
Government approvals:	FCC Part 15, Industry Canada RSS 210 (no license required)
Frequency and range:	418Mhz, one nautical mile maximum
Antenna:	Internal
Operating life:	Forty hours minimum at -4°F (-20° C)
Battery life indicator and replacement:	Red LED continues to flash if battery needs replacement, replace annually or after emergency use. Field replaceable

Specifications are subject to change without notice.

ALERT418® Transmitter Technical Specifications Continued

Illumination:	Six white LEDs flash during transmission (currently not a replacement for USCG approved personal light beacon)
Transmits to:	ALERT2 Receiver, ALERT418 Receiver, ALERT2 Portable Direction Finder
Operating temperature:	-4° F (-20° C) to 130°F (54° C)
Part Number and Price:	AT401, \$299 US Dollars

ALERT418® Receiver Technical Specifications

Dimensions:	6" x 3.75" x 1.875" (15.25cm x 9.5cm x 4.75cm)
Weight:	13 ounces (368 grams)
Power supply:	12 Volt, 110 Volt power adapter available in North America
Controls:	On /Off Reset, dial to silence alarm and dim display, normally open / normally closed contacts for external alarm capabilities
Attachments:	418Mhz flexible whip antenna, GPS antenna, terminal block for wiring additional products, serial port to connect NMEA 0183 supported products
Government Approvals:	FCC Part 15, Industry Canada RSS 210 (no license required)
Frequency and Range:	1,000 feet (305 meters) from line of site of antenna
Illumination:	Digital display, red Man-Overboard LED
Mounting:	Bracket or flush mount
Internal alarm:	95dB, front panel mounted
Receives from:	ALERT2 Transmitter or ALERT418 Transmitter, no limit to amount of transmitters
Operating temperature:	-4° F (-20° C) to 130°F (54° C)
Country of manufacture:	United States of America
Part number and price:	AR100, \$1,899 US Dollars

ALERT2™ Portable Direction Finder Technical Specifications

Dimensions:	20" x 14" x 4" (15.25cm x 9.5cm x 4.75cm)
Weight:	2 pounds (368 grams)
Power supply:	One 3.6Volt AA-size lithium battery
Controls:	On /Off volume control dial
Government Approvals:	FCC Part 15, Industry Canada RSS 210 (no license required)
Frequency and Range:	one nautical mile from line of site transmitter
Receives from:	ALERT2 Transmitter or ALERT418 Transmitter
Operating temperature:	-4° F (-20° C) to 130°F (54° C)
Country of manufacture:	United States of America
Part number and price:	AF100, \$899 US Dollars

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