

TECHNICAL DETAILS

ACTIVATION

Manual: Once armed, press activate button

True Water: Once armed 2 second immersion

WATERPROOF

5 metres for one hour

SIZE

137mm (L) x 62mm (W) x 26mm (D)

WEIGHT

212g

TEMPERATURE RANGE

Storage: -30° to +70°C (-22° to +158°F) as per IEC 60945

Operating: -20°C to +55°C (-4°F to +131°F) as per IEC 60945

OPERATIONAL LIFE

Minimum of 12 hours at -20°C

BATTERY

9.0V 1650mAh Lithium Manganese Dioxide (LiMnO₂)



BATTERY SHIPPING INFORMATION: UN3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT IN COMPLIANCE WITH IATA PI: 970 SECTION II.

WARRANTY REGISTRATION

This product has an initial warranty for 12 months from date of delivery and an additional 12 months following each annual recertification.

It is important to register the purchase of sMRT products by contacting us via info@mrtosos.com.

You will be required to list the serial number from the product(s) purchased.

Failure to complete registration could delay any warranty claim.

IMPORTANT WARNINGS

⚠ WARNINGS

- The sMRT ALERT is a local area Personal Locating Device (PLD), that transmits emergency messages via VHF DSC and AIS.
- Before first use perform a full system test to confirm that the device functions correctly.
- After deployment into active service, a full system test of the sMRT ALERT should be performed every 3 months. Do not test the device more than once per month to avoid affecting battery performance in an emergency.
- The sMRT ALERT should ONLY be used in an emergency. **DELIBERATE MISUSE MAY INCUR A SEVERE PENALTY.**
- Annual inspection and recertification of the sMRT ALERT by an authorised MRT service agent is recommended every 12 months to ensure optimum performance.
- Do not dismantle the sMRT ALERT as it contains no user serviceable parts. MRT Ltd. and authorised service agents offer a full and comprehensive service and repair facility for recertification of units and battery replacement.
- The high intensity strobe light on the unit may cause discomfort if it is viewed for long periods. Avoid staring directly at it when operational.
- The sMRT ALERT uses positional data derived from its internal GPS antenna to define the location of a man overboard.
- A clear view of the sky is required to obtain a GPS position.
- Please note that the device is only as accurate as the positional data it receives.
- The GPS system is currently managed and maintained by the US Government, who can from time-to-time alter its effective accuracy.
- Contains lithium batteries; do not puncture, deform, short circuit, recharge or incinerate the sMRT ALERT when in use. Avoid handling the antenna unnecessarily when activated.



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WESCOM
GROUP



sMRT ALERT

AIS

VHF
DSC

M
CLASS-M

GNSS

WHAT IS THE sMRT ALERT?

The sMRT ALERT DSC AIS MOB is an easy-to-use, Class M compliant, man-overboard device that integrates AIS and VHF DSC technologies into one compact and powerful unit. With dual activation and visual indication confirming the acknowledgement of the distress signal, it offers a complete alerting and locating solution.



MAN OVERBOARD LOCATION VIA AIS



ALERT SIGNAL SENT VIA VHF DSC



DUAL GPS & GALILEO RECEIVERS



TRUE WATER ACTIVATION METHOD



30 CANDELA STROBE LIGHT



LIFE JACKET ATTACHMENT KIT



MOBILE APP COMPATIBILITY



VISUAL DSC ACKNOWLEDGMENT

FEATURE LIST

- A** Antenna
- B** Strobe light
- C** TEST button
- D** Switch
- E** Red LED Light
- F** Blue LED Light
- G** Green LED Light
- H** ON/OFF button
- I** GNSS receiver
- J** NFC
- K** Water pins



CONTENTS

- A** sMRT ALERT
- B** Lifejacket Attachment Clip
- C** Oral Tube Clip
- D** Neck / Wrist Lanyard



PERFORM SELF TEST

To test if your sMRT ALERT is functioning correctly, follow these steps:

Press and hold the TEST button for 3 seconds.

During this step, self-test LED indications will be displayed for several seconds. The indications may appear as follows:

STATE	LEFT LED	RIGHT LED
Test start (good battery)	Green flash alt	Green flash alt
Test start (bad battery)	Red flash alt	Red flash alt
Test txing (AIS burst)	Purple flash alt	Purple flash alt
Test txing (DSC)	Purple flash alt	Purple flash alt
Test (waiting for DSC ack)	White slow flash	Off
Test (DSC ack rx'd)	Green 3 flashes	Green solid
Test timeout	Red 5 flashes	Red solid

ACTIVATION METHODS

HOW TO ARM



1. Open the door cover
2. Slide arming switch to 'ARMED'
3. Close the door cover

HOW TO MANUALLY ACTIVATE



1. Ensure the device is 'ARMED'
2. Press the 'On' button for 1 second

HOW TO DE-ACTIVATE



1. Hold the 'ON' button for 3 seconds
2. Slide the arming switch to 'OFF'

LED PATTERN



STATE	LEFT LED	RIGHT LED
Arming	Purple 3 flashes	Off
Return to idle	Off	Red 1 flash
Alerting (no GNSS)	Purple slow flash	Off
Alerting (GNSS lock)	White slow flash	Off
Alerting (DSC rx'd)	Green slow flash	Blue solid
Alert cancelling	Off	Blue solid