

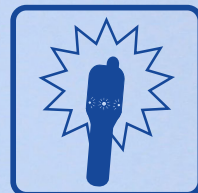


EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking

easyONE-DSC_{cl}



easy **ONE**_{DSC_{cl}}
Made in Germany by Weatherdock AG



Made in Germany

AIS MOB + DSC „closed loop“ distress call to improve and fasten up rescue missions at sea

The new easyONE-DSC_{CL} unit from Weatherdock is a combined AIS MOB/DSC maritime survivor locating device (MSLD).

It is developed to increase the efficiency of Man over Board emergency alerting to the vicinity according to all existing standards by starting broadcasting within seconds after activation.

Basement of this device is the world's first AIS MOB unit with full automatic activation – the easyONE which is successful in the market since 2014.

Goal of the easyONE-DSC_{CL} is to fasten-up the alerting of the "next to the MOB" vessels. The combination of these two most effective communication ways will be the result which probably can make the difference between saving or losing a life at sea.

Due to the palm size the MSLD easyONE-DSC_{CL} is ready for usage with every kind of automatic life jackets, no matter which manufacturer. With a bright red LED flare the MSLD has got a high visibility for miles.

Function

Mounting into life jacket

The MSLD easyONE-DSC_{CL} just has to be placed between the folded blatter of the life jacket.

First open-up the zipper of the jacket a bit that the small rope of the easyONE-DSC_{CL} can be fixed by a knot on a given D-ring or something similar. After that the easyONE-DSC_{CL} has to be slid upside down between the blatter. Finally the zipper will be closed again.

In event of emergency

Automatic activation

In case of man over board scenario the life jacket inflates automatically when submerged. The inflating of the balloon will push out the MSLD easyONE-DSC_{CL} which also will be submerged into the water. The unit is triggered and starts broadcasting immediately.

Broadcasting DSC distress call

With the MSLD easyONE-DSC_{CL} it is possible to alert up to 8 different vessels within a closed loop call. MMSI of these vessels can be programmed into the easyONE-DSC_{CL} easily via Bluetooth® and the free of charge Weatherdock-App.

Within seconds after the automatic activation the first DSC distress call will be send out to all pre-programmed MMSI numbers containing the unit-ID of the MSLD. This first alert will sensitize all the "closed loop vessels" about the event of emergency.

After there is a position-fix with the satellite a second DSC distress call is send out to all pre-programmed MMSI numbers containing the unit-ID of the easyONE-DSC_{CL} as well as current GPS position of the MSLD.

Broadcasting AIS safety message

Parallel to the DSC distress call an AIS safety related message will be send out after the MSLD has got the position fix from the satellite. This might take up to 35 seconds. In case that the fix is ready, an AIS emergency message is send out to all AIS systems in the vicinity up to 7 nautical miles and more. The message contains the unit-ID of the device as well as live GPS position and speed and curse over ground of the victim drifting in the current. The GPS position will be updated every minute and send out with the next transmission.

Highlights

- Usage with every automatic life jacket without special preparation
- AIS safety related message to every AIS receiver within range of transmission
- Persistent AIS broadcasting with updated GPS position every minute
- DSC distress call to up to 8 different vessels in closed loop call
- +24 hours battery lifetime in dual mode (AIS & DSC broadcasting)
- High visible bright red LED Flare
- +1 watt radiated transmission power for AIS mode
- 0.5 watt radiated transmission power for DSC distress call
- Full automatic activation when submerged
- Full self-floatable
- No annual fee
- No license needed
- According all existing standards
- Patented antenna release mechanism

Technical Data

Approvals:

- CE
- IC (Industry Canada)

Dimensions: 168*48*27mm

Weight: 120g

Battery: 6V, 2 Lithium units, CR2

Frequency

- AIS: 161,975 and 162,025 MHz
- DSC: 156,525 MHz

Controls: 2 Buttons ("TEST" and "ON")

Display:

- 2 LED's ("GPS status" and "FLASH")
- red LED Flare

Operating temperature: -20°C to +55°C

Storage temperature: -40°C to +70°C



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