

EDF2

rescueME))

Electronic Visual Distress Flare (eVDSF)

As the next advancement in electronic flares, the EDF2 introduces cutting edge SOS distress signaling technology. Utilizing red-orange and cyan LEDs combined with an infrared (IR) component, the EDF2 offers substantial operational life (burn time) while also significantly improving the level of visibility.



Meets RTCM Standard 13200.0



Includes Distress Flag & Mounting Bracket



Multi-LED Light Array



Built-in Buoyancy with compact design

This device has not yet completed testing to the RTCM 13200.00 standard and is therefore not yet certified to U.S. Coast Guard or any other requirements. This device is not, and may not be offered for sale or lease, or sold or leased until such certification is completed.

info@oceansignal.com


ocean SIGNAL
www.oceansignal.com

EDF2

rescueME

Electronic Visual Distress Flare (eVDS)

Meeting the requirements of RTCM 13200.00, the buoyant EDF2 electronic flare is classified as an Electronic Visual Distress Signal Device (eVDS) and utilizes multi-color SOS distress signaling to produce greater luminosity with substantially better light distribution. The use of red-orange and cyan LEDs allows for enhanced visibility on the water while the addition of an infrared (IR) component leads to even greater visibility when Night Vision equipment is in use by Search and Rescue.

The EDF2 facilitates rescue by emitting the flash characteristic for the International Morse Code for S-O-S, where the first "S" is represented by three red-orange LED flashes, followed by the "O" which is represented by three cyan LED flashes, and the final "S" which is represented by another three red-orange LED flashes. Simultaneous to the visible red-orange and cyan flashing LEDs, the IR component flashes the same S-O-S pattern that is optimized for visibility via Night Vision Goggles (NVG). Perhaps most impressive, even with the extensive number of visible and IR flashes occurring, the high level of light intensity produced, and the significant light distribution

range (Luminous angle $\geq 180^\circ$) that is achieved, the EDF2 still attains an impressive operational life of at least three hours (exceeding RTCM requirements by 50%).

Meeting the requirements within 46 CFR 161.013, the EDF2 is classified as an approved Night Visual Distress Signal. Given that a Distress Flag, meeting the requirements of 46 CFR 160.072, is included in the package with every EDF2, users are also provided with an approved Day Visual Distress Signal (the requirement for carriage of approved day and night visual distress signals can be found in 33 CFR part 175). The supplied Distress Flag provides numerous daylight signaling options.

With consistent light distribution over a significant range** and a burn time over 15 times greater than the average pyrotechnic flares***, the EDF2 is clearly the "brightest" choice one can make.

* For approvals in other countries, see requirements of the applicable national authority to reference their specific acceptance of an eVDS meeting RTCM 13200.00

** Luminous angle $\geq 180^\circ$

*** Based on carriage of 4 pyrotechnic flares at an average burn time of 3 minutes each

Specification

Part Number: 750S-05488

Model Number: ED2

General

Operational Temp. Range	14°F to 149°F (-10°C to +65°C)
Storage Temp. Range	14°F to 149°F (-10°C to +65°C)
Waterproof	IP67
Battery	CR123 Lithium Battery (x8 - Not Included)
Dimensions	\varnothing 4.41" x 8.78" (H)
Weight (excluding batteries and flag)	570.6 g / 1.26 lbs (net weight) 704.8 g / 1.55 lbs (including batteries)
Buoyancy	Inherently Buoyant (no buoyancy/flotation ring necessary)
Warranty	1 Year

Switch Design

Waterproof magnetic switch with accidental activation protection

Accessories (Included)

- Daytime Distress Flag
- Mounting Bracket and associated mounting bracket screws
- Lanyard (1 m)

Operation

Operation Time	3 hours at average effective intensity (surpasses RTCM requirements)
Average Effective Intensity	50 cd
Maximum Light Intensity	≥ 90 cd
Light Source	A total of 17 LEDs: Red-Orange LED - 2W (x8) Cyan LED - 3W (x8) Near-IR (Infrared) - 2W (x1)
Visibility	8+ Miles
Environmental Performance	Dry heat, damp heat, low temperature, thermal shock, drop, vibration, solar radiation, rain & spray, corrosion, and EMC testing (as per IEC 60945)

Approvals

- Meets RTCM Standard 13200.0 for Electronic Visual Distress Signals (eVDS). Thereby meets USCG specifications for a Night Visual Distress Signal as required by 33 CFR part 175.
- CE
- RoHS

Key Features



$\geq 180^\circ$ Luminous Angle at ≥ 50 cd for High Visibility



Multi-LED Light Array



User Replaceable Battery (CR123 x8)



180 Minutes, 50% more than RTCM requirements



Built-in Buoyancy with compact design

For more information please contact:

Ocean Signal Ltd.

Unit 4, Ocivan Way, Margate, CT9 4NN

United Kingdom

Tel. +44 (0) 1843 282930, Email. info@oceansignal.com


ocean SIGNAL
www.oceansignal.com