

5112

ROPELESS FISHING SYSTEM

FEATURES

- Ropeless fishing using robust acoustic release technology
- Corrosion resistant and strong nickel aluminum bronze alloy material
- Easy re-arm reusable screw-on release link
- Uses standard 9 volt batteries for 1 year, 3000 replies, 100 releases
- Range responder to help relocate trawls and cages
- Release cage can be made by fishermen
- Release cage easy to repack on the boat and reset quickly



The EdgeTech 5112 Ropeless Fishing System was developed to eliminate vertical lines connecting a surface buoy to bottom fishing gear prior to retrieval. Using a reliable acoustic command and control system the 5112 can be deployed “like another lobster trap” but without the need for a surface rope and buoy. This specific system was designed from the ground up with the input of lobster fishermen with the intent of alleviating possible whale entanglement and other negative effects of seafloor-to-surface lines. The system consists of a modified 3 foot X 2 foot lobster trap and an EdgeTech 5112 rugged acoustic release. The release cage has 2 sections and a top cover with flotation. One section holds up to 650 feet of 3/8 line and the other section contains the acoustic release. The top cover includes the flotation, that detaches from the release cage and floats to the surface with the recovery line when the 5112 acoustic release is actuated.



The EdgeTech 5112 Rugged Shallow Water Acoustic Release and Ropeless Fishing System was designed for the often rough-and-tumble handling of shallow water and small boat operations. Expanding the extensive line of reliable acoustic release products, the EdgeTech 5112 is perfectly suited for those applications that require a robust, yet shallow water, acoustic release package. The unit can be deployed in water depths down to 500 meters and handle a load of 500 pounds (release load 250 pounds) while enduring underwater for up to one year (two years on lithium batteries). With its unique nickel aluminium bronze alloy construction it can withstand even the harshest shallow water environments providing corrosion protection like none other. The system, when communicating with one of the 5112 deck boxes will provide shipboard operators information such as battery life status, tilt information, release information and confirmation. The system will withstand harsh handling on the vessel and often unfavorable conditions under the water.

For more information please visit www.EdgeTech.com

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KEY SPECIFICATIONS

MECHANICAL SPECIFICATIONS

Release mechanism	Motor driven push off mechanism
Release load rating	112kg (250 lbs)
Lift load rating	225 kg (500 lbs)
Depth rating	500 meters (1,640 ft)
Length	35.5 cm (14 in)
Diameter	12 cm (4.75 in)
Weight in air	10 kg (22 lbs)
Weight in water	8.6 kg (19 lbs)
Exposed materials	Nickel Aluminum Bronze Alloy, Buna-N, ULTEM, and Nylon

ELECTRICAL SPECIFICATIONS

Command Frequencies	17.5 kHz to 18 kHz
Command Codes	XACS (Expanded Acoustic Command System, over 1 billion unique codes)
Transmit Source Level	190 dB re 1 μ Pascal-meter
Receiver Sensitivity	-78 dB re 1 μ Pascal-meter
Battery Life Alkaline	(replaceable 9 volt alkaline) 1 years & 3,000 replies & 100 releases



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