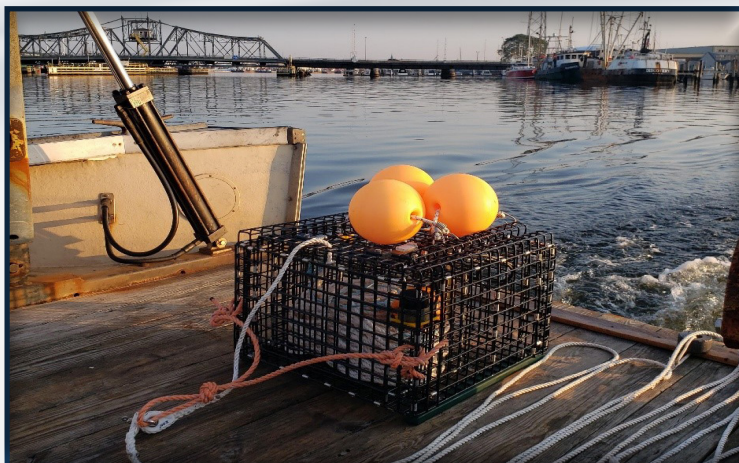


5112

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 (RFS) was designed by EdgeTech with input from fishers to eliminate the need for a persistent vertical line to connect fishing gear to a surfaced buoy until just before retrieval. The intent is to alleviate possible whale and other marine-life entanglement and help prevent trawl set overs, tipped traps, and other adverse effects of seafloor to-surface lines. The RFS consists of a Release cage with the appropriate line and Floatation cover with an integrated EdgeTech 5112 rugged acoustic release and transponder, a BLEAT (Bluetooth® Low Energy Acoustic Transceiver) Deck Box unit or Portable BLEAT deck box with hull-mounted or portable dunking transducers and the EdgeTech Trap Tracker application running on an IOS or Android device.

The RFS release cage is deployed like any other rope-and-buoy trap, it can be attached to a single trap or at the head or tail of a trawl of traps and recovered like a standard trap and buoy. Commands from the Trap Tracker application are sent by Bluetooth® to the BLEAT deck box and transducer that sends the commands by an acoustic signal to the 5112 release mounted in the release cage. An in-range RFS receives the command, acts, and replies with information to the Trap Tracker phone/tablet application. Commands include deploy, recover, ID information and status information.

The RFS recovery is accomplished by sending a unique recovery command, the RFS responds releasing the Top flotation cover bringing the cover and line to the surface where it can be retrieved like any other trap with a buoy line from the surface.

The Ropeless Fishing System will easily withstand the often rough-and-tumble handling of shallow water and small boat operations. With its unique nickel aluminum bronze alloy construction it can withstand even the harshest shallow water environments providing corrosion protection like none other.



For more information please visit www.EdgeTech.com

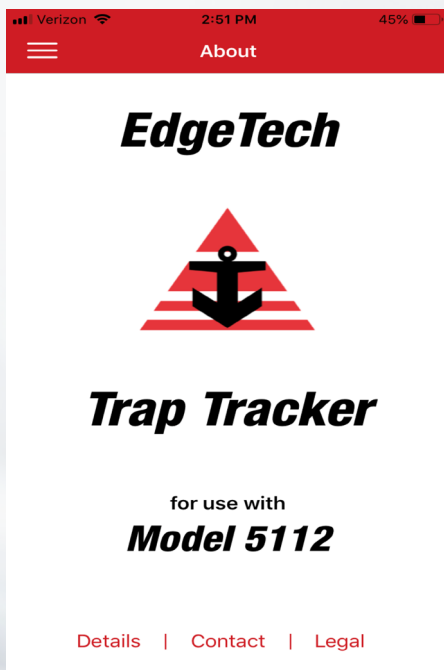
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5112

ROPELESS FISHING SYSTEM

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	178 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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