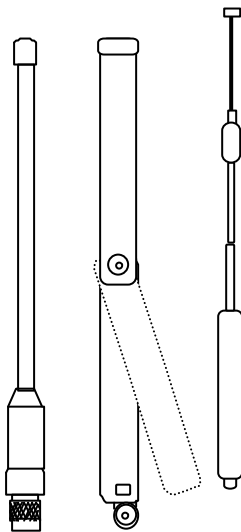


M O O N R A K E R

Type PLB

VHF/UHF Flexible 3 or 5 Frequency Antenna System for Personal Locator Beacon and EPIRB marine and airborne emergency communications

A series of ground dependent monopole antennas designed to provide efficient and reliable VHF/UHF omni-directional communications, being compliant with military and COSPAS-SARSAT requirements.



Left: EPIRB type
Centre: folding type
Right: telescopic type

Modern EPIRBs transmit on 121.5, 243 and 406 MHz, the internationally agreed distress frequencies monitored by satellite as well as by military and civilian transport aircraft and ships, to provide accurate positioning and facilitate rescue. As these transmitters have limited power supplies maximum efficiency is all important. Moonraker PLB antennas are designed with this in mind to assist with extension of battery life and hence the opportunity for rescue of the user.

The antennas are lightweight, unobtrusive and easily mounted. When not in use, they are designed to either telescope or fold down, dependent upon type, so as to fit with the particular manufacturer's PLB. Versions are also available for fitting into the seat of an aircraft, together with a three frequency EPIRB type.

Construction of all types is from materials to suit the environment they have to survive in. Standard units are typically manufactured from marine grade materials.

Rugged and lightweight, PLB antennas are completely sealed for maximum protection from the marine environment, airborne dust and sand and ultra violet radiation. They are designed to be resistant to vibration, shock, and damage due to accidental transit dropping or striking of overhead objects while being carried by the operator, and will provide reliable performance even after stored for extended periods prior to deployment.

Specifications

VHF/UHF Band	121-407 MHz
Length	300mm (11.8 in), dependent upon type)
Base Dimensions	Dependent upon antenna and PLB type
Pattern	Omnidirectional
Polarisation	Vertical
Frequency Range	International Distress Frequencies 121.5, 123.1 and 406.025 MHz, including 243.0, 282.8 MHz when required
VSWR	Meets or exceeds COSPAS SARSAT specifications
Gain	Unity
Impedance	50Ω nominal
Mounting & Connection	To suit manufacturer's requirements
Weight	EPIRB type 60g folding type 60g (2.1 oz) telescopic type 40g (1.4 oz)

Specifications subject to change 6/98

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