

406 MHz GPS PERSONAL LOCATOR BEACON

FASTFIND Plus



The Fastfind Plus is a revolutionary hand-held Personal Locator Beacon that features a built-in GPS (Global Positioning System) receiver combined with a 406 MHz transmitter and 121.5 MHz homing signal. It is ideal for alerting the rescue services of an emergency during maritime, light aircraft and outdoor activities. (Where licensing allows).

When activated, the Fastfind Plus with integral GPS provides a 406 MHz alert signal via the COSPAS-SARSAT satellite system. There is a visual indication of GPS acquisition. Fastfind Plus also transmits on the International Aircraft Emergency Frequency of 121.5 MHz providing a homing signal for the Search And Rescue (SAR) services. A built-in self-test facility includes testing of the 406 MHz and 121.5 MHz signal (where permitted) and GPS power up.



- Built-in 12 parallel channel GPS receiver
- Visual indication of GPS acquisition
- Internal GPS allows position updates
- Global alert via COSPAS-SARSAT satellites
- 121.5 MHz homing frequency
- Built in self test on 406 MHz and 121.5 MHz
- Complete with carry case and Kevlar lanyard
- Simple three stage manual activation
- User replaceable battery packs (-20 °C or -40 °C)
- Compact and lightweight
- Accepts serialised or MMSI protocols

The standard Fastfind 406 MHz Personal Location Beacon has all the features of the Fastfind Plus but without GPS. The 406 MHz frequency provides an alert signal to the rescue services within 90 minutes, depending on satellite passes and gives a positional accuracy to within 3 nm. Once in the vicinity the 121.5 MHz transmitter provides a signal for the rescue services to home-in on. This information is more than sufficient to enable rescue services to find a vessel or individual in distress particularly if equipped with flares and a lifejacket light.



Fastfind



Carry case and lanyard



1

Three stage activation



2



3

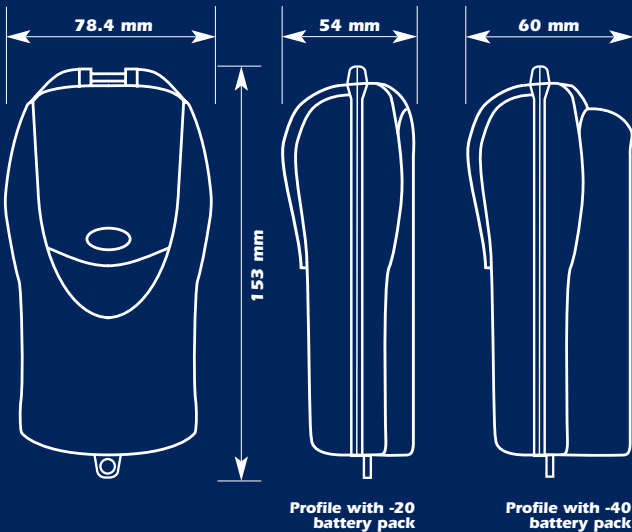


Transmitting



technical specifications

Fastfind and Fastfind Plus



General

Message formats

PLB National, Standard, and User Location Protocol as applicable, plus serial user (non-GPS version)

Programming

Via RS232 light pen and windows based PC

Temperature

Storage: -55 °C to +70 °C (Class 1)
Operating: -40 °C to +55 °C (Class 1)
With class 1 battery pack

Storage: -30 °C to +70 °C (Class 2)
Operating: -20 °C to +55 °C (Class 2)
With class 2 battery pack

Battery life
Operating life

5 years storage from date of manufacture
24 hours

Sealing

BSEN 60945 temporary immersion
MIL-STD-810F method 500.4
4,572 metres altitude

Weight

Approx. 0.4 kg (13 oz) with -40 battery pack
Approx. 0.3 kg (10 oz) with -20 battery pack

406 MHz transmitter

Frequency
Output power
Modulation

406.028 MHz +/- 1 kHz
5 Watts +/- 2 dB
Biphase L 1.1 +/- 0.1 radians

121.5 MHz transmitter

Frequency
Output power
Modulation

121.5 MHz +/- 3 kHz
50mW ERP
AM, up or down swept tone

Approvals

COSPAS-SARSAT Approved
R&TTE Approved
FCC Approved
See www.mcmurdo.co.uk for all other approvals

Accessories



Dive Canister



Direction Finder



Emergency Receiver

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Fastfind and Fastfind Plus Personal Locator Beacons

The Fastfind and Fastfind Plus Personal Locator Beacons feature the same advanced technology as found in the award winning Rescue EPIRB and Precision 406 GPS EPIRB. Designed using miniaturised components to fit into an ergonomically styled compact casing both versions employ a simple three-stage manual operation and feature user replaceable battery packs, which are available for use in temperatures of -20 °C and -40 °C.

Carrying the Fastfind could not be simpler, both versions are supplied with a lanyard and carry case to enable the user to keep the PLB safely attached at all times.

These latest advanced products from McMurdo have been designed to provide recreational boaters, professional and semi-professional crew, delivery yachtsmen and fishermen with the very best chance of being found without delay at sea in an emergency.

Intended for use within the maritime mobile service and where permitted by national administrations within the land mobile service.

- **Global coverage with COSPAS-SARSAT polar orbiting satellites**
- **Geostationary coverage >70°N - 70°S**
- **Comprehensive indication of operation**
 - 121.5 MHz transmission
 - 406 MHz transmission
 - GPS acquisition and fix status
- **Integral 12 channel parallel GPS receiver**
- **Internal GPS allows position updates**

PLEASE NOTE: GPS reception requires a clear view of the sky.

Ordering information

Model	Class	Description	Part No.
Fastfind 406 PLB (-20°C battery)	2	C/w bag, lanyard & user manual	85-620-004A
Fastfind 406 PLB (-40°C battery)	1	C/w bag, lanyard & user manual	85-640-004A
Fastfind Plus 406 GPS PLB (-20°C battery)	2	C/w bag, lanyard & user manual	85-520-004A
Fastfind Plus 406 GPS PLB (-40°C battery)	1	C/w bag, lanyard & user manual	85-540-004A
Battery Replacement Kit (-20°C battery)	2		85-763-020
Battery Replacement Kit (-40°C battery)	1		85-763-040
Fastfind Dive Canister		Tested to a depth of 150m	85-754A
Carry Case			85-736-004
Lanyard			88-769
Emergency Receiver		121.5 MHz MOB alerting unit	88-704A
Direction Finder		121.5 MHz MOB alerting & direction finding unit	88-804A

To comply with UN regulations for transportation, as of January 2003 any products containing lithium batteries will be classified as UN Hazardous Class 9

Other equipment in the McMurdo range includes EPIRBs, PLBs, SARTs, AIS, VHF radios, DSC VHF radios, survivor location lights, ICS NAVTEX equipment and Pains Wessex® pyrotechnics.

AtecAircraft Belgium
Sur les thiers, 207
B-4040 Herstal
Belgique
www.atecaircraft.be
jd@atecaircraft.be
tél : +3242404812

**McMurdo Limited, Silver Point,
Airport Service Road, Portsmouth
PO3 5PB United Kingdom
Tel: +44 (0)23 9262 3900
Fax: +44 (0)23 9262 3998
sales@mcmurdo.co.uk
www.mcmurdo.co.uk**