

406 MHz GPS PERSONAL LOCATION BEACON

FASTFIND Plus



The Fastfind and Fastfind Plus series of Personal Location Beacons are the very latest products from McMurdo Pains Wessex designed to provide individuals with the highest chance of being found quickly in an emergency.

The Fastfind Plus is a revolutionary hand-held Personal Location Beacon that features a built-in GPS receiver (Global Positioning System) combined with a 406MHz transmitter and 121.5 MHz homing signal.

In the event of an emergency, an alert signal is transmitted to Cospas-Sarsat satellites and forwarded to a rescue co-ordination centre typically within 3 minutes. The built-in GPS receiver will provide latitude and longitude co-ordinates to give a position to approximately 30 metres anywhere in the world.

- Built-in GPS receiver
- Global alert to Cospas-Sarsat satellites
- 406MHz transmitter
- 121.5 homing frequency
- Alert time typically within 3 minutes
- Positional accuracy to within typically 30 metres
- Positional updates every 20 minutes
- Compact and stylish
- Complete with lanyard and carry case
- User replaceable battery packs (-20°C or -40°C)
- Floats with -20°C battery pack
- Accepts serialised or MMSI protocols
- Simple three stage manual activation



Fastfind



Carry case and lanyard

The standard Fastfind 406MHz Personal Location Beacon has all the features of the Fastfind Plus but without GPS. The 406MHz frequency provides an alert signal to the rescue services within 90 minutes maximum, depending on satellite passes and gives a positional accuracy to within 3nm. 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.



1



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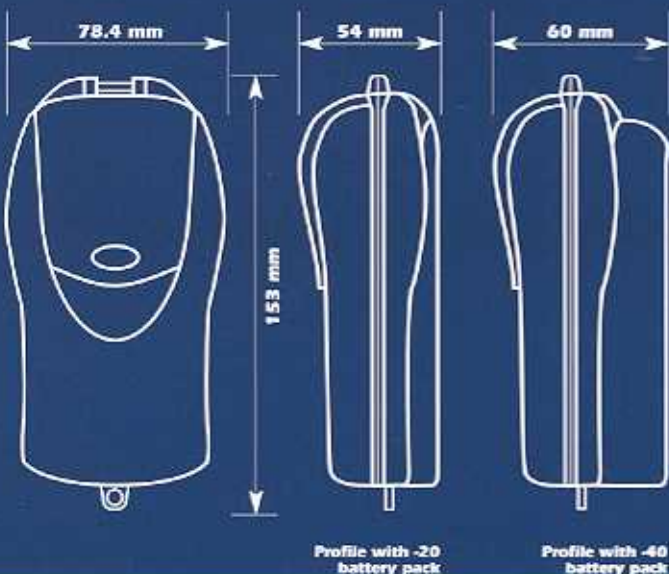
Three stage activation



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:	5 years storage then 24 hours operation
Sealing:	BSEN 60945 temporary immersion MIL-STD-883C method 500.4 4,572 metres altitude
Weight:	Approx. 0.4 kg (14oz) with -40 battery pack Approx. 0.3 kg (9oz) with -20 battery pack

406MHz transmitter

Frequency:	406.028MHz +/-1KHz
Output power:	5 Watts +/- 2dB
Modulation:	Biphase L

121.5MHz transmitter

Frequency:	121.5MHz +/-3kHz
Output power:	50mW
Modulation:	AM, up or down swept tone

Approvals

R & TTE Approved
International Approvals to follow

Accessories



Dive Canister



Direction Finder



Emergency Receiver

Fastfind and Fastfind Plus Personal Location Beacons

The Fastfind and Fastfind Plus Personal Location Beacons feature the same advanced technology as found in the award winning Rescue and Precision 406 GPS EPIRBs. Designed using miniaturised components to fit into an aesthetically 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 and -40 degrees Centigrade.

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 Pains Wessex 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.

- **Global coverage with Cospas-Sarsat polar orbiting satellites**
- **Geostationary coverage >75°N - 75°S**
- **Comprehensive indication of operation**
 - 121.5 MHz transmission
 - 406 MHz transmission
 - GPS acquisition and fix status
- **Integral 12 channel parallel GPS receiver**
- **GPS cold start time to fix typically less than 3 minutes**
- **GPS transmitted position update rate every 20 minutes (as permitted by Cospas-Sarsat)**
- **GPS reacquisition time, typically less than 60 seconds**
- **Positional accuracy typically 30 metres**
- **Time to alert, typically three minutes (via geostationary satellite)**

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

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 Pains Wessex product range includes Radios, EPIRBs and SART

AUTHORISED DEALER



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