

SARFIND

BEACON TRACKING SYSTEM



SARFind, the G2R PLB/ELT decoder, provides the user with a position and identity readout of up to 64 individually tracked beacons. SARFind may be programmed to decode either standard SAR transmissions or Combat transmissions (CSAR).

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SARFind is a 'Carry On - Carry of unit that incorporates a rechargeable power source independence from the aircraft power system. Using SarFind simply involves connecting the integral headset lead to the aircraft communications system.

During operation, the SarFind front panel display provides the following information about the detected SARBE:

- a) Beacon Identity
- b) Beacon position in Latitude and Longitude
- c) Time elapsed since reception of last beacon transmission
- d) Time since GPS acquisition by beacon

An audible alert tone is provided, which sounds when a successful position decode is established. This function may be disabled at any time by operation of the 'ALARM INHIBIT' switch.

best viewing under adverse conditions. The display is NVG compatible.

Programming

The SARFind may be programmed to operate in either SAR or Combat mode. In SAR mode, SARFind will display any SARcoded SARBE G2R transmission. It will not detect a SARBE operating in the Combat mode.

In Combat mode, the following parameters may be programmed into SARFind:

- a) Mission operating code
- b) SARBE call signs for up to beacons
- c) Single beacon or Group beacon detection (SARFind will provide a specific user identity or group of user identities when the correct mission code is also received).
- d) Group beacon detection (SARFind will respond to a specific group of user identities provided the correct mission code is also received).

Technical Specifications

Operating Frequency: Audio from standard radio receiver

Input level: Input level from radio system: 0,5Vpp to 10 Vpp

Input Impedance: Greater than 50k Ω

Receiver Sensitivity: For successful decode the minimum receiver Signal to Noise Ratio is 10 Ω

Mission Endurance: Up to 18 hours

Built-in test: Comprehensive self test facilities are included

Weight: 3,5 kg (including battery)

Size: 232mm x 210mm x 91mm

Part Number: 101027

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