



## Emergency locator transmitter

## ELT 90 / ELT 91

### Two-frequency 121.5 / 243 Automatic Fixed (AF) & Automatic Portable (AP)



#### General

##### ELT 90

Conformity with EUROCAE ED-62 technical specifications and EUROCAE ED-14C environmental specifications. Approved by the French Civil Aviation Administration (DGAC) QAC 3a - JTSO 2C9/a.

Certification tests conducted under the authority of the French Ministries of Transport (DGAC) and of defence (DGA).

##### ELT 91

Conformity with TSO C91a technical specifications. DO160C environmental specifications.

#### Characteristics

##### Transmission

- Transmitter frequency : 121,5MHz / 243MHz
- Peak EFFECTIVE Radiated Power (PERP) : 100mW min
- Frequency accuracy :  $1 \times 10^{-7}$
- Frequency stability :  $2 \times 10^{-7}$  per 15 minutes
- Electrical consumption
- Transmission duration : 48H min 100mW PERP

##### Modulation

- Modulation depth : 85%.
- Audio frequency downward sweep between 300 and 1600Hz, (not less than 700Hz).
- Sweep repetition rate : 2 to 4Hz.
- Duty cycle : 33% (min) to 55% (max).
- Carrier compatibility with COSPAS-SARSAT satellites.

##### Shock crash sensor (G-Switch)

- Electronic technology powered by lithium cells.
- Activation sensibility (crash response curve) as per ED62 for ELT 90 and DO183 for ELT 91.

##### Environmental conditions

- As per EUROCAE ED14C/RTCA DO-160C.
- Fire/flame : 1100°C (2012°F), 2 minutes (with fireproof box option installed).
- Operating T° : -20°C à +55°C.
- Storage T° : -55°C à +85°C.



## Installation

- Equipment installed in rear passenger cabin or upper rear fuselage.
- Remote control unit in the cockpit.

## Antenna

- Equivalent Isotropic Radiated Power (EIRP).
- Azimuth : 360°.
- Elevation : 5 à 60°.
- Polarization : circular or linear.

## ELT case

- Non-Metallic seafoam case.
- Dimensions : 83 x 103 x 215 mm (9.9 x 4 x 8.5 inches).
- Weight : 1,5kg (3.3 lbs).

## Warranty

- 12 months.

## Maintenance

- Annual verification by an approved service station.
- Cell replacement every 4 years.

## Programming of identification signal

Common to ELT 90 and ELT 91.

- International Morse code (Option).
- Modulation type : A2.
- Frequency : 1020Hz.
- Repetition rate : once every minute.
- Technology : Diode matrix circuit.

## Reference

Set containing ELT, portable antenna, mounting support, remote control kit and manual for installation and use.

- ELT 90 : P/N ELT 90 A 2560 000 001
- ELT 91 : P/N ELT 91 A 2560 000 001