



Kannad 406 Survival Emergency Locator Transmitter 121.5/243/406MHz

Designed to be installed in the aircraft cabin, the Kannad 406 SURVIVAL ELT is supplied with a mounting bracket or a carry-off bag. The Kannad 406 SURVIVAL is fitted with a floating collar, enabling it to float upright, and a water switch sensor, allowing automatic activation when in contact with water.

The Kannad 406 Survival provides a direct connection to global Search And Rescue (SAR) services when an emergency situation occurs. Unlike all other Kannad ELTs, the Kannad 406 SURVIVAL is not fitted with a G-Switch (shock detector).

Key features

- Water Switch Sensor allowing automatic activation, via contact with water
- Audible and visual activation indicators (buzzer and LED)
- Integrated self test facility with visual indicator for results
- Easy programming

Options

The ELT is programmed with either the aircraft tail number, a serial number or the aircraft operator designator. This operation takes only a few seconds with our programming equipment and we have an optional dongle that can be supplied with the ELTS.

It can be installed inside an aircraft on a mounting bracket or in a carry-off bag (see options).

The mounting bracket option includes a locking pin to avoid accidental activation before ELT removal. The locking pin can be ordered separately with the carry off version.

Part Number P/N S1823502-05

Options

- S1820511-03 Carry-off bag
- S1820511-04 Carry- off bag short
- S1820511-02 Mounting bracket with locking pin

Antenna

ANT110, P/N 0124194
 3-Frequency (121.5 / 243 / 406 MHz) whip antenna Length 400 mm
 TNC connector

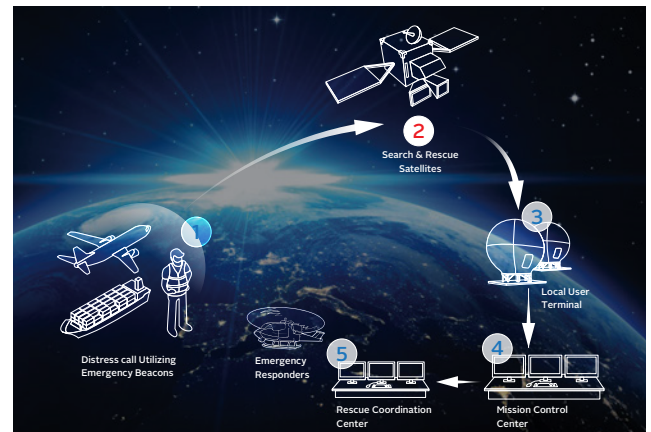


Approval

3-Frequency Survival ELT [ELT(S)]
 ETSO-2C91a & ETSO-2C126 / EUROCAE ED62 and EUROCAE ED14
 TSO-C91a & TSO-C126 / RTCA DO-183, RTCA DO-204 and RTCA DO-160
 Cospas-Sarsat Class 2

How the end-to-end satellite-based SAR Ecosystem works

1. A **beacon** distress signal is sent from aircraft, marine vessel or individual
2. Beacon positioning/location data is relayed by satellite communications to satellite ground stations or Local User Terminals (LUTs)
3. The **Local User Terminal** computes the location before sending alerts to the appropriate Mission Control Centers (MCC)
4. The **Mission Control Center** collects, stores and sorts the data received from LUTs and other MCCs and distributes alerts to associated Rescue Coordination Centers (RCC)
5. The **Rescue Coordination Center** notifies and coordinates emergency response/rescue teams



* Items in **blue** are supplied by Orolia

Technical Specifications

TRANSMISSION

406.025 MHz
 5W (37 ±2dBm)
 Modulation 16KOG1D
 (bi-phase L encoding) with aircraft identification code
 Distress message every 50 s

121.5 MHz and 243 MHz

100mW min (20 to 26 dBm)
 Modulation 3K20A3X
 Audio sweep from 1420 Hz to 490 Hz
 Continuous transmission

POWER SUPPLY

Solid Cathode Lithium battery pack
 (LiMnO2) Battery replacement every 6 years

PROGRAMMING

Aircraft nationality and registration marking
 Aircraft operator designator and ELT serial number up to 4096
 Aircraft ICAO 24 bit address
 Serial number

ACTIVATION

Water switch or Manual

SELF TEST

406 MHz RF power Battery voltage
 Frequency Programming

TEMPERATURE RANGE

Operating -20°C to +55°C Storage -55°C to +85°C

MECHANICS

Molded plastic
 Color yellow (color compounded)

WEIGHT AND DIMENSIONS

1375 gr (3.031lbs) including battery pack, auxiliary antenna and floating collar
 Transmitter 172 x 82 x 82 mm (6.77 x 3.22 x 3.22")

CONTROLS

ARM / OFF / ON switch Bright red LED
 TNC antenna connector

About Orolia

Orolia is the world leader in resilient positioning, navigation and timing (PNT) solutions that have helped save over 40,000 lives since 1982. In addition to its Kannad brand, Orolia also provides expertise for the maritime, defense and space applications through leading brands such as Spectracom, SARBE and McMurdo.