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 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

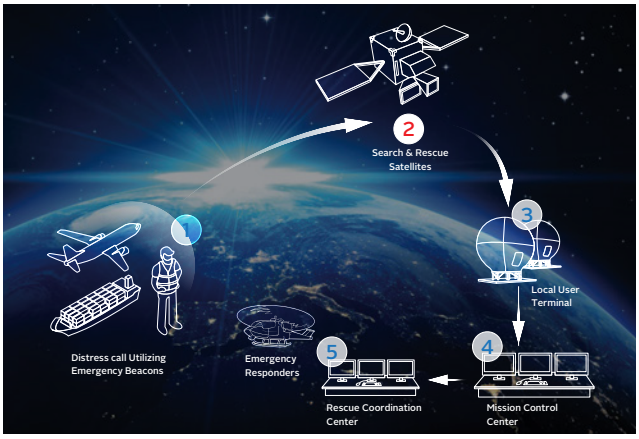
Options
S1820511-03 Carry-off bag
S1820511-04 Carry- off bag short
S1820511-02 Mounting bracket with locking pin

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 16K0G1D
(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.

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