



KANNAD 406 AF-COMPACT

Emergency Locator Transmitter Pack



Description

Specialist in pinpointing distresses by satellite and number one in 406 MHz Technology, KANNAD innovate with a new concept of COMPACT ELT, taking the best of the long experience in KANNAD maritime EPIRB's and Personal Locator Transmitters PLB's.

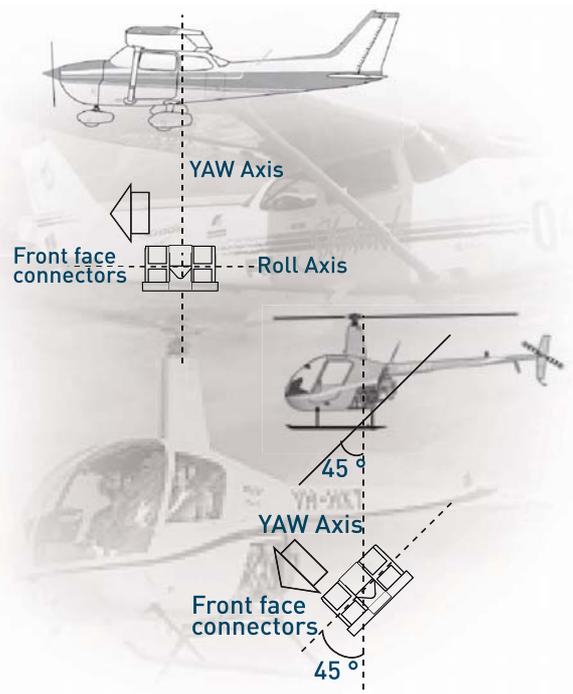
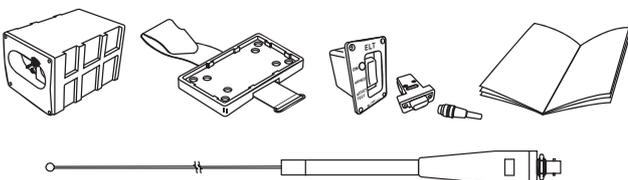
The **KANNAD 406 AF-COMPACT** is designed for private pilotes, for all light aircraft requiring a very compact automatic fixed ELT. The robust and reliable shock sensor will automatically activate the ELT in the event of a crash, the pilot can also activate the ELT in case of emergency.

Main characteristics

This new generation of ELT offers all the latest improvements of the **COSPAS-SARSAT** system with the **406 MHz** frequency at a very competitive price for full package:

- ▶ Very small: 131mm x 86mm x 75,4mm (5.1"x3.4"x2.9")
- ▶ Very light: 850gr (1.87lb)
- ▶ Battery life: 6 years
- ▶ Programming ease
- ▶ GPS Navigator Interface (Option)

KANNAD 406 AF-COMPACT package



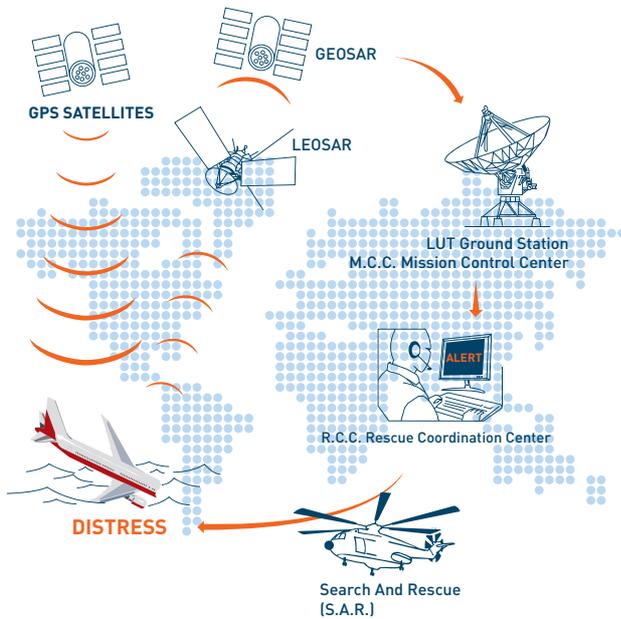
Key features and options

Velcro fixture for easy mounting and **programming by dongle** (option). The KANNAD 406-AF COMPACT is set-up and moved within seconds.

Versatility of **programming protocols**: Tail code, 24 bit address (same as MODE "S"), Serialized Number, Aircraft Operator Designator.

Buzzer and Indicator for activation warning.

A **GPS Interface (option)** can be added to download the position of the aircraft in the ELT. In this case COSPAS-SARSAT organization will receive the position and identification of the aircraft instantly.



The maintenance is limited to a monthly self-test performed from the cockpit or the ELT. The flashing indicator and the buzzer characterize the ELT status.

The battery replacement is only necessary **every 6 years** improving considerably over previous generation for the same yearly cost.

P/N

S1840507-01, PACK KANNAD 406 AF-COMPACT with WHIP Antenna

OPTIONS: NAVIGATION INTERFACE
 P/N: S1825501-01 NAV. INTERFACE (SERIAL RS)
 P/N: S1825501-02 NAV. INTERFACE (ARINC 429)

OPTIONS: SMART CONNECTOR
 P/N: S1820514-01 PROGRAMMING DONGLE

TECHNICAL SPECIFICATIONS

Type

ELT Automatic fixed
 COSPAS-SARSAT Category II (-20°C to +55°C)

406 MHz transmission

Frequency: 406.028 Mhz +/- 1 kHz
 Output power: 5W (37 +/- 2 dBm)
 Modulation type: 16K0G1D (Biphase L encoding)
 Transmission duration: 440ms (short message) every 50 sec.
 Autonomy: Over 48 hours at -20°C

121.5 MHz transmission

Frequencies: 121.5 MHz +/- 3 kHz
 Output power: 100 to 400 mW (20dBm to 26 dBm) for each frequency
 Modulation type: 3K20A3X
 Modulation rate: > 85 %
 Frequency of modulation signal: 1420 Hz to 490 Hz with decreasing sweep
 Autonomy: Over 48 hours at -20°C

Controls

ARM / OFF / ON switch
 Bright red LED
 BNC antenna connector
 DIN12 socket for remote control panel (RCP) and pin programming option
 Internal Buzzer

G-Switch sensor

Mechanical G-switch sensor compliant with EUROCAE ED62 specifications

Battery

KIT BAT200, P/N: S1840510-01
 LiMnO2 two-element battery for transmitter power supply
 Replacement every 6 years

Housing

Material: Molded plastic
 Color: Yellow (color compounded)

Dimensions: Installed with mounting bracket
 max 140 x 98 x 80 mm
 (5.51"x3.85"x3.14")

Weight including batteries:

typical 850 gr (1.873 lb)
 max 875 gr (1.929 lb)

Tightness: O-rings

Environmental conditions

RTCA DO-160E / EUROCAE Section 4 to 24:
 [D1]*A*[YLMC]JAYXXXXXX[ZC]XB
 Compliant with section 25

Qualifications

ETSO-2C91a & ETSO-2C126
 [EUROCAE ED62]
 TSO-C91a & TSO-C126 (RTCA D0183 & D0204)