Kannad Integra 406 GPS

Emergency Locator Transmitter

The INTEGRA ELT is a major step forward in the development of ELT technology. It is innovative, reliable and its value added features include:

- Smallest & lightest ELT
- Internal GPS
- Unique internal 406MHz back-up Antenna
- -40°C Certiÿ cation (ER)
- Programming dongle
- Specific versions: Aircraft/Helicopter/Portable
- Maximum reliability, minimize size/weight

FAA TSO C126A & ETSO 2C126 Approved

Kannad Integra 406 GPS Emergency Locator Transmitter

includes internal 406 back-up antenna

Five great reasons to buy the Integra ELT

1. **GPS inside**
   With GPS, the search area is reduced to just 0.03sq miles. The typical search area without GPS is 28sq miles.
2. **Antenna inside**
   GPS antenna and a back-up 406MHz antenna for continued transmission of emergency signal in various scenarios. When the aircraft suers considerable damage through impact, often the antenna is destroyed and/or the cable between the ELT and antenna is broken, Integra's internal antennae provide the unique ability to transmit and send both aircraft identiÿ cation data and GPS position even when the crew remove it from the aircraft.
3. **Portable**
   Continues to transmit even when removed from aircraft.
4. **GPS options**
   Optional NMEA Integra e-Nav can connect to aircraft's own GPS, for regular monitoring of your position.
5. **Economic installation**
   Capitalising on the beneÿ ts of built-in GPS and antennas, Integra costs less to install than systems requiring external antennas or GPS.

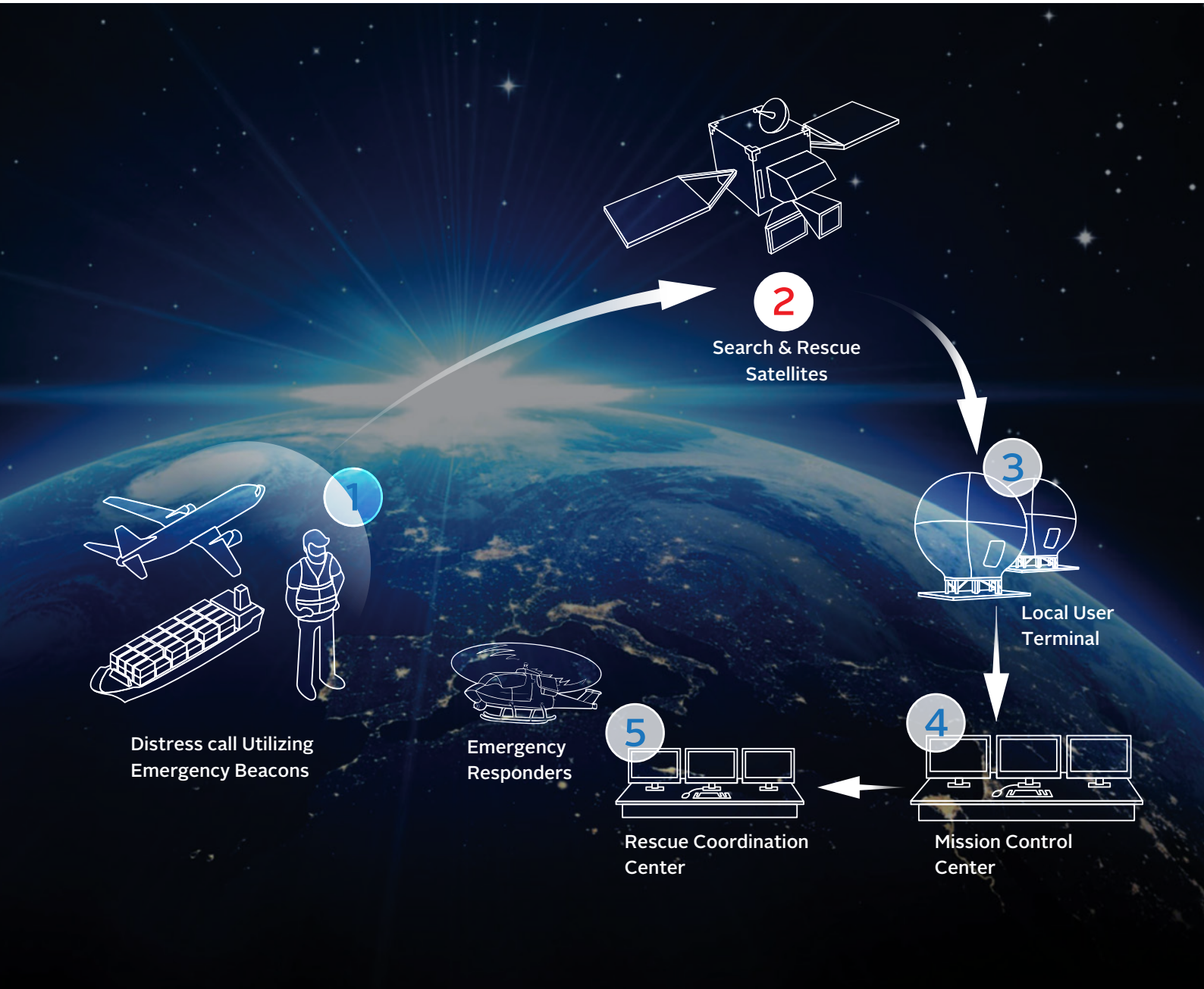
Integra ELT features

- Integrated internal 406MHz back-up antenna
- Compact size
- Operates at temperature as low as - 20°C (-40°C version also available), with 24 hour certified transmission on 406MHz (distress) signal and over 48 hours on 121.5MHz (homing) signal
- No power supply required
- Choice of Remote Control panels with 3-wire and 2-wire installation options
- Quick and easy retroÿ t with universal mounting bracket
- EASA minor change approval available for most common aircraft
- Option to connect to a panel-mounting GPS using the NMEA Integra e-Nav shown below

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

1. A **beacon** distress signal is sent from aircraft, marine vessel or individual
   The Integra 406 GPS ELT provides a direct connection to global Search And Rescue (SAR) services when an emergency situation occurs. Integra ELT is automatically activated, but also o˝ ers manual activation via a remote control switch in the panel.
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** notiÿ es and coordinates emergency response/rescue teams

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



The Global Leader in Resilient **PNT**

Kannad Integra ELT pack includes:

1. Integra ELT (AF or AF-H Class 2 only)
2. Universal Mounting Bracket + strap
3. RC200 Remote Control Switch
4. DIN-12 ELT Connector and Sub D Connector

Technical Specifications

- Automatic Fixed Emergency Locator Transmitter with G-Switch sensor
- Two-frequency ELT (121.5/406.037MHz)
- COSPAS –SARSAT Class 2 (-20°C to +40°C) or class 1 (-40°C to +50°C) ER type
- RTCA DO-160°/EUROCAE ED14 Environmental conditions
- TSO/ETSO Approved
  TSO-C126a, C142a / ETSO 2C91a, 2C126, C142a

Operating Lifetime:
Minimum operating duration at -20°C (ELT Class 2) or -40°C (ELT Class 1) is 24 hours on 406 MHz and over 48 hours on 121.5 MHz

Controls and indicators:
ARM/OFF/ON switch, Bright red LED, Internal Buzzer, Outside Buzzer option

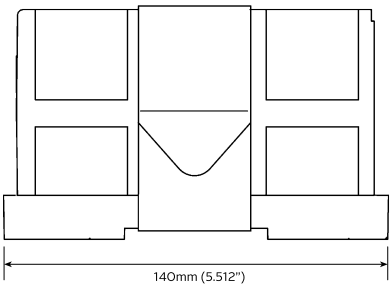
Interfaces:
DIN12 socket for remote control panel (RCP) and pin programming dongle option, BNC antenna connector

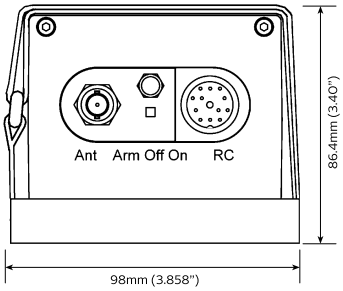
Battery:
Replacement Interval every ¸ years, Accessories directly powered by ELT battery

Unique functions:
ntegrated 406 antenna, GPS built-in (antenna & receiver)

Housing:

Material:	Molded plastic
Colour:	Yellow (Colour compounded)
Dimensions:	Installed with mounting bracket 175x99x88.4mm (6.89x3.90x3.40in.)
Weight including batteries:	Typical 850g (1.873lb) Max 875g (1.929lb)





Part Numbers : Kannad Integra 406 versions:

Versions	Fixed*	Portable*	Pack
Aircraft	AF: S1851501-02	AP: S1851501-02	Pack AF: 1202502
Helicopter	AF-H: S1852501-02	AP-H: S1854501-02	Pack AF-H: 1202503

*All versions available in –ER mode for Extended Range -40°C. P/N extension is -01 instead of -02 above.

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.

Specifications subject to change or improvement without notice.
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