

RESCU 406AFN2

Automatic Fixed Emergency Locator Transmitter (AF ELT)



Small, Lightweight for Commercial Aircraft

The **RESCU 406AFN2** Automatic Fixed Emergency Locator Transmitter (AF ELT) is a two-frequency transmitter with Nav/GPS capability, and forms the core of the RESCU 406AFN2 System. AF type ELTs are intended to be permanently attached to an aircraft before and after a crash and are designed to aid Search and Rescue teams in locating the site of a crash. The basic system consists of a transmitter unit, connected by coaxial cable to an external antenna. Optional equipment includes a flight deck control panel, audible alarm and an Aircraft Information Module (AIM2) that contains ELT coding information.

The RESCU 406AFN2 AF ELT is activated automatically when an internal G-switch senses a crash impact. It may also be activated manually. When activated, the ELT provides a homing signal for civil and military search aircraft and satellites. It simultaneously transmits a swept-tone modulated signal on the civilian international aeronautical distress frequency at 121.5 MHz as well as a pulsed digital signal on the COSPAS-SARSAT frequency at 406.040 MHz.

KEY FEATURES

- > Latest battery technology
- > Rugged design ensures dependable operation
- > Automatic or manual activation
- > Optional GPS Inputs via ARINC 429 for transmitting aircraft location (check STC for details)
- > Single-axis or six-axis G-switch available
- > Storage of aircraft information in AIM2 allows for ELT reprogramming
- > Certifications to DO-204A, DO-160F and TSO-C126a (TSO-C142c expected in 2026)



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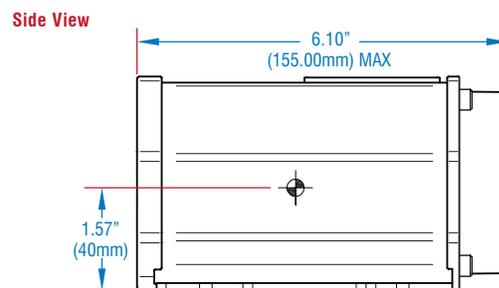
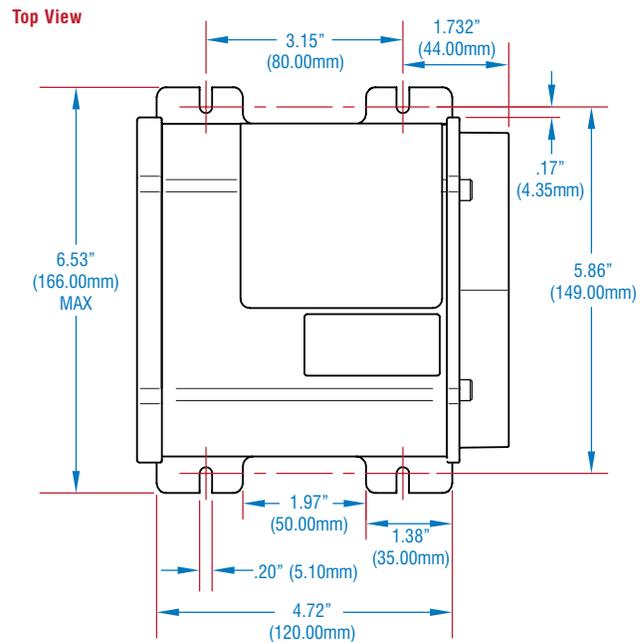
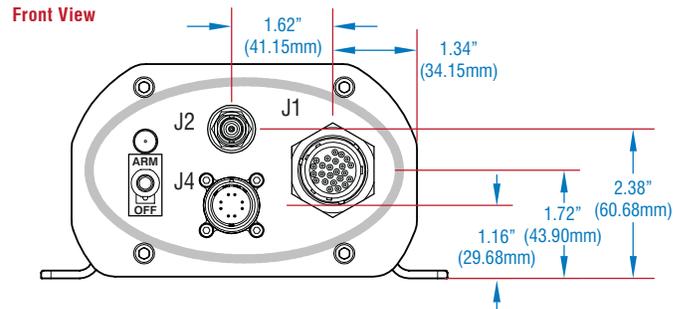
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SPECIFICATIONS

Operating Frequencies	121.5 MHz and 406.040 MHz
Frequency Tolerance	±0.005% (121.5 MHz), ±1 kHz (406.040 MHz)
RF Output Power	100 mW (121.5 MHz) 5 watts (406 MHz)
Dimensions	Length: 10.63 inches (270 mm) Width: 6.554 inches (166 mm) Height: 3.62 inches (92 mm) max.
Weight (with Battery)	4.85 lbs (2.2 kg)
Battery Type	Four A-type, lithium manganese dioxide (LiMnO ₂)
Battery Life	Five years
Operating Life	121.5 MHz: 50 hours 406 MHz: 24 hours
Temperature Range	Storage: -67.0 to +185 °F (-55 to +85 °C) Operating: -4.0 to +131.0 °F (-20 to +55 °C)
G-Switch Specifications	Primary G-switch according to RTCA/DO204A and EUROCAE ED62A
Case Material	Aluminum alloy
Activation Alerts	Visual (LED)
MTBF	> 40,000 flight hours



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