

# AeroELT AFN2

## Automatic Fixed Emergency Locator Transmitter (ELT)



### *Small, Lightweight for Commercial Aircraft*

The AeroELT AFN2 Automatic Fixed Emergency Locator Transmitter (AF ELT) is a two-frequency transmitter with Nav/GPS capability, and forms the core of the AFN2 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 AFN2 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 switch available
- > Storage of aircraft information in AIM2 allows for ELT reprogramming
- > Certifications to TSO-C126a, DO-204A, TSO-C142a DO-160F, Cospas-Sarsat Type Approval Certificate



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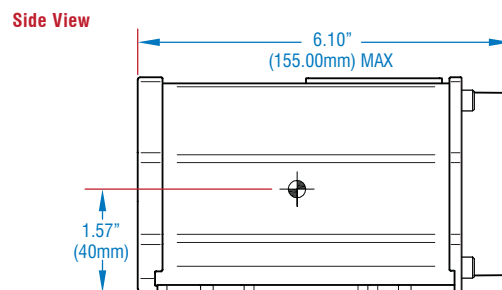
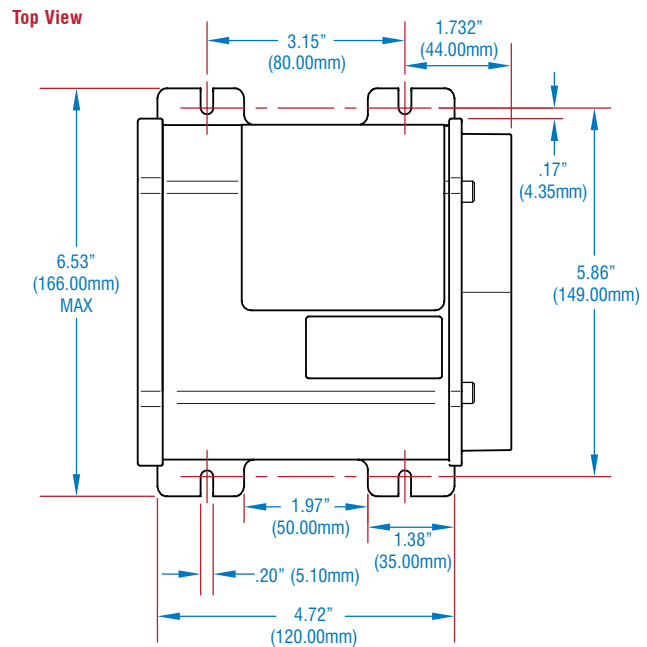
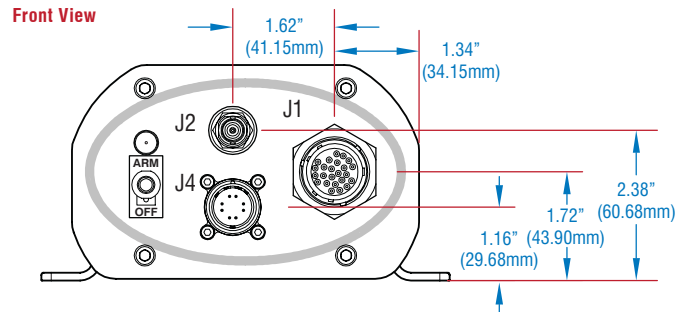
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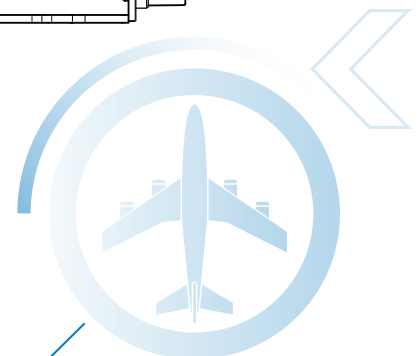
### SPECIFICATIONS

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



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