

AeroELT® SG

Portable Emergency Locator Transmitter (ELT)



Portable, Rugged ELT for Commercial Aircraft

The portable AeroELT SG is a compact, buoyant, two-frequency water-activated survival ELT. It is crew-deployable and activates instantly upon immersion in water, or manually. It features an internal GPS receiver that provides exact position in the emergency signal transmission, for fastest rescue time. It operates on international aeronautic distress frequency 121.5 MHz as well as Cospas-Sarsat frequency at 406.040 MHz.

The AeroELT SG antenna is a spring-loaded steel shaft and is attached to the antenna socket by means of a spring-loaded, flexible stainless steel cable. In normal installation, it is pivoted on this flexible steel cable, folded along the length of the ELT body and held by an antenna-retaining clip which itself is secured to the battery casing by watersoluble tape. For stowage, the antenna is held under the lip of the antenna-retaining clip. This arrangement permits full extension of the antenna for test purposes without breaking the water-soluble tape.

An optional Adapter Plate enables convenient installation at the most suitable location in the aircraft. Metal straps and latch secure the unit during crash and ensure quick removal during an emergency, allowing the ELT to be easily removed by survivors for use outside the aircraft.

KEY FEATURES

- > Latest battery technology
- > Rugged design ensures dependable operation
- > Automatic activation in water simplifies crew operation. It can also be manually activated.
- > Internal GPS receiver to transmit ELT location
- > One part number for all aircraft platforms and spares
- > Certified for use on land and in water
- > Storage of aircraft information in optional AIM3 allows for ELT reprogramming
- > Certifications to TSO-C126b, DO-204A, TSO-C142a DO-160F, Cospas-Sarsat Type Approval Certificate



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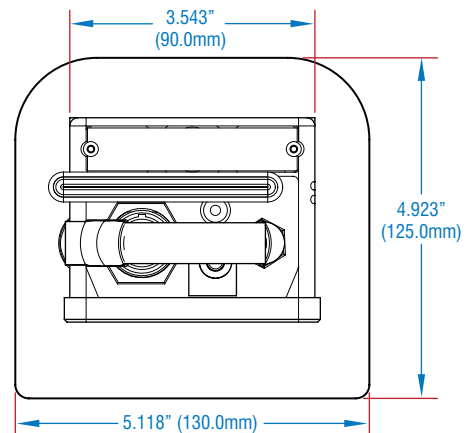
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AeroELT[®] SG

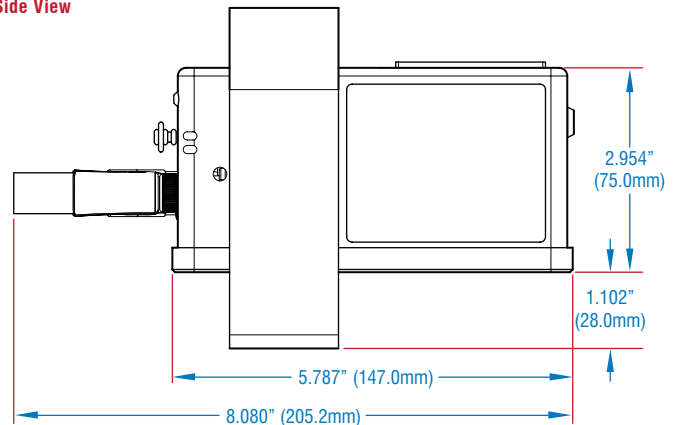
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Front View



Side View



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: 5.87 inches (149 mm) Width: 5.28 inches (134 mm) Height: 5.08 inches (129 mm)
Weight (with Battery)	2.64 lbs (1.2 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)
Part Number	51090368-1
Case Material	Aluminum alloy
Activation Alerts	Visual (LED)
MTBF	> 40,000 flight hours
Water Switch Activation	Fresh/salt water

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