



RESCU 406SG EMERGENCY LOCATOR TRANSMITTER (ELT)

Smaller, lighter and safer with more features and lower maintenance

Honeywell

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For over 30 years, Honeywell has been a leading provider of Emergency Locator Transmitter (ELT) solutions to the aviation industry. Designed for aircraft that operate over land and water, our next-generation ELTs meet all global safety standards and crash survivability requirements to provide emergency transmission in the event of an aircraft impact. These ELTs initiate the search by transmitting distress signals at 121.5 and 406 MHz that have been developed to work with the COSPAS-SARSAT search and rescue system. Honeywell ELT solutions provide industry-leading design, reliability and performance, with the best delivered value for aircraft operation.

TRANSMITTER OPERATION

The portable RESCU 406SG 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.

EASY INSTALLATION

Using the same operating principle as the RESCU 406SE, the RESCU 406SG does not require any additional flight or cabin crew training. An optional Adapter Plate enables convenient installation using original 406S or 406SE mounting

location. 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. See Service Information Letter 25-C-173 for more details.



FEATURES AND BENEFITS

- Uses latest battery technology
- Only ELT to comply with new FAA / EASA Issue Papers on lithium batteries, mandated on newly-designed aircraft
- One part number for all aircraft platforms, simplifies spares
- Reduced weight by almost 40% versus previous version, can be fitted in galleys
- Rugged design ensures dependable operation
- Automatic activation in water simplifies crew operation
- Internal GPS Receiver to Transmit ELT Location
- Certified for use on both land and in water
- Built-in Self-Test:
 - Validates output power levels
 - Validates battery availability and usage
 - No satellite interference, due to special code during test
 - Blink Pattern: Validate/Fault Isolate
- 3 Position Switch: ON/OFF/ ARMED
- LED Indicator: Transmit & Self-Test Results
- Reprogrammable without opening unit
 - 406 MHz programming
- Long Message Formats
- Standard location protocol: 24-bit aircraft address, serial identification, aircraft operator and serial number
- User location protocol: serial number, aircraft nationality and registration markings, 24-bit aircraft address, aircraft operator designator and serial number
- 406 Message Programming Tool
 - Beacon Message Programmer (BMP)
 - AIM3, Programmer Dongle

SPECIFICATIONS

Part number	51090368-1
Activation	Water activated/manual on
Antenna	Folded whip type, dual frequency
Size	7.8"L x 5.28" W x 5.08" H 19.81 x 13.41 x 12.9 (cm)
Weight	2.42 lb. (1.1 kg)
Battery Operation	24 Hours @ 406 MHz, 50 Hours @ 121.5 MHz
Battery Life	5 years
GPS	Internal GPS
Frequency (in MHz)	121.5 and 406.040
Storage Temperature	55°C to +85°C
TSO	CAN TSO-C126B, TSO-142A
Ancillary Products	
Aircraft Identification - AIM3	51090138-1
MTBF:	Greater than 100,000 hours
Usage	Certified for use both on land and in water
Operating Temperature Range	-20 to +55°C
Certifications	TSO-C126b, DO-204A, TSO-C142a DO-160F, COSPAS-SARSAT

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