

E-04 ELT/406MHz/GPS IF

MFR #: E-04

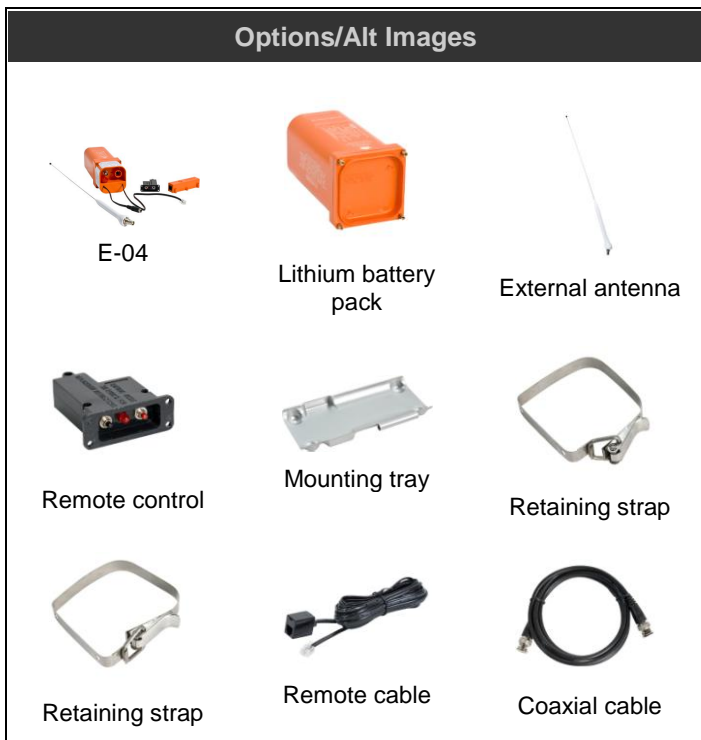
The E-04 ELT is intended for aircraft used for general and commercial aviation.



- Accepts GPS position input data from Bendix/King, Garmin, Nema 0183 GPS.
- New antenna is swept back 20 degrees, and features a molded plastic base.
- 5 watts @ 406 MHz for 24 hours, and 100W @ 121.5MHz for 48 hours.
- New simple plug in audible alert indicator.
- New lithium battery pack offers a 5 year battery life, and makes it substantially lighter.
- Can use Ameri-King remote panel indicator.

Kit Includes:

- Transmitter
- Lithium Battery Pack
- External Antenna
- Remote Control
- Mounting Tray & Retaining Straps
- Plug-in Audible Alert
- Remote Cable
- Coax Cable
- Installation Manual



E-04 ELT/406MHz/GPS IF SPECIFICATIONS

Approvals:

FAA / transport Canada
TSO c-126 tso C-91°C
ETSO 2c126 etso 2c91°C
COSPAS/SARSAT T.001 T.007
Industry Canada 1863A-A04AF

Type:

TSO C-126 AF

Frequency:

121.5 MHz & 406.037 MHz

Modulation:

406 MHz +/- 2 KHz bi-phase I (16kog1d)
121.5 MHz +/- 6 KHz am (3k20a3n)

Swept downward:

1400 – 400 Hz

Repetition rate:

3 Hz

Modulation factor:

≥ 90%

Duty cycle:

≥ 45%

Power at terminal 50Ω load:

121.5 MHz 20.7 dBm 50 hours @ -20°C
406.037 MHz 37.3 dBm 24.5 hours @ -20°C

Standby current armed mode:

26 µA

Peak current 406 MHz burst:

1.5 – 2 A

Current 121.5 MHz operation:

75 mA

Peak eirp with E-04.8 whip antenna and E-04.10.4 coax cable:

121.5 MHz +23 dBm 200 mW
406.037 MHz +39.79 dBm 13.7 W

Operating temperature:

-20°C to +55°C

Storage temperature:

-55°C to +85°C

Crash activation:

4.5 FPS ±0.5 FPS

Dimensions:

7.750" x 2.850" x 2.850"
192 mm x 72 mm x 72 mm

Weight:

Elt and battery pack 1.6 lbs 0.73kg
Elt tray and straps 0.2 lbs 0.09kg

Remote control (rcpi):

1.1 oz 31g

Audio alert indicator:

1.5 oz 43g

Length:

20.625" 524 mm swept 20°

Weight:

2.1 oz 60g

Impedance:

50 ohm nominal

VSWR @ 121.5 mhz:

≤ 2.0:1

VSWR @ 406 mhz:

≤ 1.4:1

Max airspeed:

260 knots@ sea level