ARTEX

ELT/NAV INTERFACE -B
P/N 453-6501

The Artex "ELT/NAV Interface -B" is designed to connect between the Boeing Flight Management Computer (FMC) and Artex' B406-4 ELT. Its function is to receive continuous position updates from the aircraft's navigation system and translate it to the proper format for use by the ELT. Upon activation, the ELT transmits the Latitude and Longitude of the aircraft to the COSPAS/SARSAT satellite system. Knowledge of the position information allows Search & Rescue forces to launch an immediate mission to the last known position of the aircraft. The ELT/NAV Interface –B is also tested to meet the stringent requirements of Boeing for use in their aircraft as well as meeting the TSO C126 and JTSO-2C126 requirements as a B406-4 ELT system component. The ELT/NAV Interface –B is available as a complete kit (P/N 455-6501). The kit includes all required installation hardware (screws, washers, etc.), cable connectors with pins/sockets and a manual.

When properly registered, use of this technology can provide the following information to Search & Rescue teams: **1) Type of aircraft; 2) Owner(s); 3) Emergency Contact(s); 4) Country Code; 5) Aircraft ID or Serial Number of ELT; 6) ELT Manufacturer; 7) Latitude/Longitude Position**

Another advanced feature of the interface is an ability to custom program the ELT to the "24-Bit Address" (Mode S number) assigned to an aircraft. This is extremely useful for fleet operators who may find it necessary to change ELT's in aircraft for maintenance purposes because it eliminates the need to reprogram the ELT every time it is moved.

UNIT WEIGHT	2.7lbs (1.2 kg)
UNIT SIZE	9.25"x5"x1.95"
VIBRATION	10 G (5 Hz to 2000 Hz)
SHOCK TEST	500 G @ 4 Milliseconds
CRASH WORTHINESS	100 G @ 23 Milliseconds
ALTITUDE	50,000 feet
HUMIDITY	95% for 48 hours
IMPACT	220 PSI (25 kg from 6 inches)
CRUSH	1000 lbs.
AUTO REPROGRAMMING	24 Bit Aircraft Address (Mode S number)
ARINC 429 INTERFACE	ARINC 429 All
RS-232 INTERFACE	9600 Baud, Parity: None, Data Bits: 8, Stop Bits: 1, STX and ETX required, "A" identifier for latitude, "B" identifier for longitude
NAV SYSTEMS	GPS-Loran-Inertial NAV-FMC
OPERATING TEMPERATURE	-20°C to +55°C
VOLTAGE REQUIREMENTS	+28VDC ±5VDC
CURRENT DRAW	300 mA Max.

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