

EMERGENCY BEACON CORPORATION
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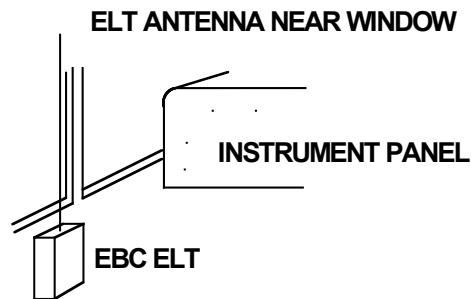
MODEL EBC 102A (P, AP)

CONSISTING OF

1 EBC 102A	EMERGENCY LOCATOR TRANSMITTER
1 EBC G7	IMPACT ACTIVATOR
1 BB 8	MOUNTING BRACKET

INSTALLATION INSTRUCTIONS

1. The EBC 102A must be installed by a certified airframe mechanic; this installation must be entered in the aircraft logbook.
2. The EBC 102A must be installed on the left side of the aircraft with the arrow pointing toward the nose of the aircraft.
3. The EBC 102A must be vertical with as much as possible of the antenna visible through a window when viewed from outside the aircraft.
4. The antenna should be at least one inch from any metal window part.
5. The BB 8 mounting bracket supplied with the EBC 102A must be securely attached to the aircraft.
6. The shipping screw (with tag) must be removed for the EBC 102A to be ready for automatic operation and should be reinstalled only to deactivate the automatic feature, as would be the case if it were necessary to remove to ship the EBC 102A.



NOTE #1: The mounting bracket supplied with this ELT meets the airworthiness requirements of FAR Part 23.561 or 25.561 as appropriate.

NOTE #2: Since Emergency Beacon Corporation has no direct control of the actual installation; it is incumbent on the installer to mount the ELT so that all the requirements of FAR Part 91.52 and FAR Part 23 or FAR Part 25 are met.

EMERGENCY BEACON CORPORATION RECOMMENDS THAT THE MOUNTING BRACKET BE SECURELY ATTACHED TO A RIGID MEMBER OF THE FUSELAGE USING FASTENERS THAT COMPLY WITH FAR PART 23.561 OR FAR PART 25.561. IF NECESSARY, A SUITABLE MOUNTING SHELF SHOULD BE FABRICATED BY THE INSTALLER IN ORDER TO PROVIDE A RIGID AND SECURE ATTACHMENT POINT FOR THE MOUNTING BRACKET.

*****DO NOT INSTALL THE MOUNTING BRACKET TO *****

*** THIN, UNSUPPORTED SKIN OR UPHOLSTERY MEMBERS ***

TEST INSTRUCTIONS

To test the automatic feature of the EBC 102A, with the switch in the off position, bang the EBC 102A against your hand, using medium exertion, so that the pendulum activates the switch. The unique chirp of the ELT will be heard in a COM radio tuned to 121.5MHz.

Return the switch to the off position. Place it in the mounting bracket. The EBC 102A is now ready to activate either manually or automatically depending on the seriousness of the accident. After an accident, if you leave the aircraft, be sure to take the EBC 102A with you.

OPERATING LIMITATIONS

The FAA requires that the battery in an ELT must be replaced before the replacement date marked on the EBC 102A or when the beacon has been in use for more than one cumulative hour. (Provided the EBC 102A has been stored in a location where the ambient temperature has been below 80°F. If the beacon is stored in a location where the average ambient temperature is normally above 80°F, the battery should be replaced six months sooner. The battery should not be stored in an environment where the ambient temperature is above 110°F.)

BATTERY REPLACEMENT

Use only batteries manufactured by Emergency Beacon Corporation.

CAUTION: If battery is not connected exactly as stated, beacon will be permanently damaged.

Remove screws holding cover and remove cover.

Remove wire connectors by unscrewing counter-clockwise.

Replace battery.

Connect red wire on beacon to red wire on battery. (Always connect the red wires first.)

Connect black wire on beacon to black wire on battery.

Screw on wire connectors (clockwise).

Reinstall cover and screws.

Install label "Replace Battery Before" on back of case.

EBC – 102A DATA SHEET

Operating Life, Room Temperature	Greater than 48 hours
Operating Frequency	121.5MHz and 243.0MHz +/-005%
Modulation Percentage	100%
Sweep Range	1300Hz to 400Hz
Sweep Rate	3Hz
Modulation Duty Cycle	45%
Transmitter Duty Cycle	100%
Peak Effective Radiant Power	Greater than 75mw on both frequencies after 48 hrs.
Low Temperature Performance -20°C	Meets room temperature specifications after exposure
High Temperature Performance +55°C	Meets room temperature specifications after exposure
Altitude Performance 50,000 ft	Meets room temperature specifications after exposure
Decompression 8,200 feet to 40,000 ft.	Meets room temperature specifications after exposure
High Pressure Performance – 15,000 ft	Meets room temperature specifications after exposure
Humidity Performance 48 Hours	Meets room temperature specifications after exposure
Shock Performance 50 Gs in 6 axes	Withstands 1000 Gs
Vibration Test 10 Gs	Meets room temperature specifications after exposure
Temperature Variation Test -40°C. to +55°C	Frequencies within +/- .005% after exposure
Immersion Test 17 hours salt water	Meets room temperature specifications after exposure
Waterproofness 20 min. drip	Meets room temperature specifications after exposure

Physical Features

Size	2.5"W x 1.25"D x 3.75"H
Weight	1.2lbs. (with battery installed)
Case	Aluminum
Finish	Yellow Baked Enamel
Antenna	Flexible non-telescoping whip

TWO YEAR WARRANTY

FOR YOUR RECORDS:

Type of Equipment: _____

Model No. _____ Serial No. _____

Date Purchased: _____ Dealer: _____

PLEASE NOTE: ALL WARRANTIES ARE NULL AND VOID IF NON-FACTORY APPROVED BATTERIES ARE EVER USED IN YOUR ELT.

The EMERGENCY BEACON CORPORATION instrument you have purchased is conservatively designed and was carefully inspected before shipment. Properly operated in accordance with the instructions furnished, it will provide you with trouble-free service.

If you have a problem with the transmitter, contact EMERGENCY BEACON CORPORATION. If indicated, you will be instructed to send your unit to the factory. There will be no charge for labor or materials for repairs made within two years of date of purchase.

This warranty is void if the transmitter is:

1. Damaged in transit
2. Abused in handling
3. Repaired by unqualified persons
4. Unapproved battery pack (s) is installed

SHIPPING INSTRUCTIONS:

1. Disconnect and tape the battery leads before shipping. Ship with the battery enclosed in the unit.
2. Enclose a note describing the problem. Be sure to give your name, address and phone number.
3. Pack well and insure

Shipping costs to and from the factory are to be paid by the customer.

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REV. #2 - 2/2005

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TWO YEAR WARRANTY REGISTRATION

Model No. _____ Serial No. _____

Date Purchased: _____

How Did You Hear of This Product? _____

What Persuaded You To Buy It? _____

Comments on Performance: _____

Dealer: _____

City: _____

Customer Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Return This Portion To: EMERGENCY BEACON CORPORATION
15 RIVER STREET
NEW ROCHELLE, NEW YORK 10801

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