

United States of America
Department of Transportation – Federal Aviation Administration
Supplemental Type Certificate

Number SA02075SE

This Certificate issued to:

Mid-Continent Instrument Co. Inc.
9400 East 34th Street North
Wichita, KS 67226

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product - Type Certificate Number:

See attached FAA-Approved Model List issued 10 September 2010 or later FAA-approved revisions for the list of approved airplane models, applicable installation data requirements and specific limitations.

Make:

Model:

Description of Type Design Change:

Installation of a Mid-Continent MD835() Lithium Ion Battery in accordance with Master Data List AM0229-DL02-00, specified on the attached FAA-Approved Model List (AML) issued 10 September 2010 or later FAA-approved revisions.

Limitations and Conditions:

1. The STC is only applicable to aircraft with an existing FAA-approved installation of an L-3 Communications PS-835(), PS-850(), or PS-855() emergency power supply.
2. The MD835-1 replaces a PS-835A/B/C/D/G on aircraft not wired for an L-3 SI-100() module (static inverter) or an SC-841() module (5V adjustable DC output).
3. The MD835-2 replaces a PS-835E/F on aircraft not wired for an L-3 SI-100() or an SC-841() module.

(See Continuation Sheet on Page 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: September 29, 2009

Date reissued: September 17, 2010;
February 16, 2011

Date of issuance: September 10, 2010

Date amended: February 28, 2013



By direction of the Administrator

(Signature)

ODA Administrator
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47

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Supplemental Type Certificate

(Continuation Sheet)

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Limitations and Conditions Continued:

4. The MD835-5 replaces a PS-835A/B/C/D/G, PS-850A/B, or PS-855A/B/C/D on aircraft not wired for an L-3 SI-100() module.
5. An MD835-5 can replace an MD835-1.
6. The installer must determine whether this design change is compatible with previously approved modifications.
7. The Instructions for Continued Airworthiness (ICA), document AM0229-IC01-00, Revision "A", dated 10 January 2013 or later FAA-accepted revision is a required part of this STC.
8. A copy of the FAA-approved Airplane Flight Manual Supplement (AFMS), document AM0229-FM01-00, Revision "A", dated 21 February 2013, or later FAA-approved revision is required on board for operation of the modified aircraft.
9. A copy of this certificate and the FAA-approved AML must be maintained as part of the permanent records for the modified aircraft.
10. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.
11. Federal Aviation Administration Special Conditions Number 23-247-SC, dated August 09, 2010, is part of the certification basis for this STC.

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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

TRANSFER ENDORSEMENT

Transfer the ownership of the Supplemental Type Certificate Number _____

to *(Name of transferee)* _____

(Address of transfer) _____

(Number and street)

(City, State, and Zip code)

From *(Name of grantor) (Print or type)* _____

(Address of grantor) _____

(Number and street)

(City, State, and Zip code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor (In ink): _____