



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST00857DE

This certificate issued to: Mid-Continent Instruments and Avionics
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 25* of the Federal Aviation Regulations.

* Certification basis is established in the Type Certificate Data Sheet applicable to the listed models in the FAA Approved Model List (AML).

Original Product – Type Certificate Number: FAA Approved Model List (AML) for MD215 Standby Altimeter,
Make: Document No. ST00857DE, Rev IR, dated June 1, 2017, or later FAA
approved revision, lists the approved airplane models, applicable
Model: installation data requirements and specific limitations.

Description of Type Design Change:

Installation of MD215 Standby Altimeter in accordance with E-MC-15-0022 Rev A, Master Drawing List dated November 22, 2016, or later FAA approved revision.

Limitations and Conditions:

1. The installation must not be incorporated in any aircraft unless the installer determines this design change is compatible with previously approved modifications and will not introduce any adverse effect upon the airworthiness of the aircraft.
2. The modified airplane must be maintained in accordance with E-MC-15-0028 Rev IR, Instructions for Continued Airworthiness, dated 5/12/2017, or later FAA approved revision.
(Limitations and Conditions continue on page 3 of 3)

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

Date of Application: June 17, 2015

Date Reissued: June 16, 2017, July 20, 2017

Date of Issuance: June 1, 2017

Date Amended:

By Direction of the Administrator

Signature _____

Todd Dixon

Title: Manager, Denver Aircraft Certification Office
Northwest Mountain Region

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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Supplemental Type Certificate

(Continuation Sheet)

Number: ST00857DE

Date of Issuance: June 1, 2017

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification 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 Supplemental Type Certificate Number:

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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Supplemental Type Certificate

(Continuation Sheet)

Number: ST00857DE

Date of Issuance: June 1, 2017

Limitations and Conditions (continued):

3. The airplane flight manual supplement identified below must be maintained onboard the modified aircraft:
 - a. FAA Approved Airplane Flight Manual Supplement to the Aircraft Make _____ Aircraft Model _____ (Select approved Make and Model from Supplemental Type Certificate (STC) ST00857DE Approved Model List (AML)) Airplane Flight Manual for the Installation of Standby Altimeter: Mid-Continent MD215, E-MC-15-0029, Rev. IR, approved by the FAA on May 25, 2017.
4. The equipment has the capability for ARINC 429 input (BARO synchronization), ARINC 429 output (altitude & BARO data out), and altitude encoder output. The MD215 standby altimeter also can provide an altitude encoder output. The modification defined by this STC does not allow for use of these interfaces without additional approval. This document does not provide instructions for aircraft integration of these interfaces.
5. Additional approval may be required for integration of the altitude encoder or the ARINC 429 signals with any other aircraft system.
6. A copy of this certificate, its continuation sheet, and the approved airplane flight manual supplement per item number 3 above, must be maintained as part of the permanent records of the modified aircraft.
7. 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.

-----*END*-----

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