

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

Number SA01549WI-D

This certificate issued to
Honeywell International Inc.
23500 W. 105th Street
Olathe, KS 66061

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

Original Product - Type Certificate Number: A47CE
Make: Diamond
Description of Type Design Model: DA 40

Change:

Installation of the Honeywell KI 825 Electronic Horizontal Situation Indicator (EHSI).
REQUIRED DATA:

1. Honeywell Master Drawing List 159-08331-0001, Revision A, Dated 6-23-2009 or later FAA approved revision.
2. Honeywell Airplane Flight Manual supplement 006-10325-0000, Revision --, Dated 6-29-2009 or later FAA approved revision.
3. Honeywell Maintenance Manual KI 825 Electronic Horizontal Situation Indicator for Diamond DA 40, 159-08331-1013, revision A, dated 6-23-2009 later FAA accepted revision must be made available to the operator at the time of installation.

Limitations and Conditions:

1. The installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft.
2. 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.
3. This STC can be only be installed in DA 40 model aircraft that have been factory equipped with the Honeywell KCS 55A compass system, the Honeywell KAP 140 Automatic Flight Control System, Dual Garmin GNS 430 and/or 530 GPS/NAV/COMM transceivers and the L3 WX-500 Stormscope receiver.

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: 3-24-2009

Date of issuance: 6-29-2009

Date reissued:

Date amended:



By direction of the Administrator

Richard B. Sleigh
(Signature)

Richard B. Sleigh
ODA Administrator, ODA-500863-CE

(Title)

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of the 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 of transferee)* _____

(Address of transferee) _____

(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)*: _____

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 (Continuation Sheet)

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Description of Type Design Change (Cont):

4. This installation has been determined to be compatible with Garmin Approved Model List STC SA01933LA.

***Certification Basis:**

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this change is as follows:

- a. The certification basis for parts **not changed** or **not affected** by this change is shown on TCDS A47CE.
- b. The certification basis for parts changed or affected by this change since the date of application is determined to be:

Regulations at the latest amendment

none

Regulations at an intermediate amendment

none

Regulations at the amendment level shown on TCDS A47CE

Section	Amdt.	Section	Amdt.
23.301 (a) (b) (c) (d)	23-48	23.1311 (a)(1)(2)(6) (b)	23-49
23.303		23.1321 (c) (d)(5) (e)	23-49
23.305 (a) (b)	23-45	23.1327 (a)(1)(2)	23-20
23.307 (a) (b)		23.1329 (h)	23-40
23.561 (a) (b)(3)(i)(ii)(iii)	23-48	23.1331 (a) (b)(1)	23-43
23.601		23.1351 (a)(1)(2)(i)	23-49
23.603(a)(1)(2)(3) (b)	23-23	23.1357 (a) (b) (c) (c) (d)	23-43
23.605 (a)	23-23	23.1359 (c)	23-49
23.607 (a) (b) (c)	23-48	23.1365 (a) (b) (d) (e)	23-49
23.609 (a)(1)(2)(3) (b)		23.1381 (a) (b) (c)	
23.611	23-48	23.1431 (a) (b)	23-49
23.613 (a) (b)(1)(2) (c) (d) (e)	23-45	23.1501 (b)	23-21
23.771 (a)	23-14	23.1529	23-26
23.773 (a)(1)(2)	23-45	23.1581 (a)(1)(2) (b)(2)(i) (f)	23-50
23.777 (a) (b)	23-51	23.1585 (a) (j)	23-50
23.1301 (a)(1)(i)(ii) (2) (b)(1)	23-20		
(b)(2)(i)(ii) (3) (4)(i)(ii)(iii)(iv)			
(c)(1) (d) (e)			

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