

TITLE:	Software update for AD32 and AC32
DOCUMENT NUMBER:	SIL AD32/AC32-05
EQUIPMENT:	AD32 Air Data Display and AC32 Air Data Computer
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Service Information Letter

SIL AD32/AC32-05

Revision: 1.0

RECORD OF REVISIONS

Rev.	Date	Reason for Revision	Prepared	Checked	Approved
1.0	08/02/21	Initial Release	 J. Garrett	 G. Schaffner	 A. Savin

SERVICE INFORMATION LETTER

1. Planning Information

A. Effectivity

This Service Information Letter (SIL) is applicable to AD32.XX.XXX.XX.X.XX Air Data Displays and AC32.XX.XX.XX.XX Air Data Computers with SW 2.74, with a manufacturing date before the introduction of SW 2.74.1 (01-01-2021).

This software change is effective only for SW 2.74 with device configurations where the SDI Input A/B is selected and label 377 is enabled. For configurations where SDI Inputs are not used, this SW change has no effect.

B. Concurrent Requirements

None required.

C. Reason

This document is issued to provide information about the software change for the AD32 and AC32 from SW 2.74 to SW 2.74.1.

This is a SW bug fix, the only change for SW 2.74.1 is the correct representation of SDI input in ARINC 429 label 377. All other functions remain unchanged.

The affected function is the initialization of ARINC label 377. In SW 2.74.1 the re-initialization of ARINC 429 label 377 is done after the reading of SDI inputs statement.

D. Description

The software modification must be done for re-initialization of ARINC 429 label 377 data after SDI inputs statement reading.

E. Compliance Recommendation

This SW update is optional and not safety related.

NOTE:

All units with SW 2.74 that are produced or repaired after 01.01.2021 automatically receive SW 2.74.1.

The SW designation on the SW version nameplate is not changed from SW 2.74.

F. Approval

The AD32 Air Data Display and the AC32 Air Data Computer conform to TSO-C106, TSO-C88a, and TSO-C10b.

This Service Information Letter (SIL) contains no modification information that revises the approved configuration and therefore does not require governmental or other regulatory agency approval.

G. Manpower

This modification can be done by THOMMEN AIRCRAFT EQUIPMENT AG or its approved service centres.

The modification (excluding removal, reinstallation of the unit and acceptance test) requires approximately one man-hour.

H. Weight and Balance

Not affected.

I. Electrical Load Data

Not changed.

J. Software Accomplishment Summary

Refer to Software Accomplishment Summary document, ADAC-ACC-2741.

K. References

REFERENCE	ITEM
74862	Finding – Output of Label 377
ADAC-ACC-2741	ADAC32 Software Accomplishment Summary
ADAC-CIA-2741	ADAC Change Impact Analysis (SW 2.74.1)
ADAC-SCID-2741	ADAC32 Software Configuration Index
CDC 049	Classification of Design Change - AC32 ARINC 429 Label 377 SDI

L. Other Publications Affected

REFERENCE	ITEM
AD-DDP-400	Declaration of Design and Performance
AC-DDP-500	Declaration of Design and Performance
AD-ECID-400	AD32 Equipment Configuration Index
AC-ECID-500	AC32 Equipment Configuration Index
AD-INSOP-400	AD3X Installation and Operation Manual
AC-INST-500	Installation Manual – AC32
CMM-34-16-10	Component Maintenance Manual – AD3X (excluding HW 2.32)
CMM-34-16-30	Component Maintenance Manual – AC32

M. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material - Price and Availability

The software version required for this modification is provided by THOMMEN AIRCRAFT EQUIPMENT AG or its approved service centres.

For more information please contact:

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NOTE:

All units subject for modification must be scheduled prior to shipping. Contact THOMMEN AIRCRAFT EQUIPMENT AG for further lead time and delivery schedule.



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