

SH

DWG NO.

2.13±.02

.90±.01



.396±.010



1.385±.010

CO. 103013 SHC OF IS

R .06±.01  
6 PLACES

**HONEYWELL INC. XS-950S/I**

**DATA LINK TRANSPONDER**

HARDWARE												SOFTWARE											
P/N 7519350- [REDACTED]												DO-178B LEVEL B S/W MOD											
S/N [REDACTED]																							
WT [REDACTED] Lbs																							
DATE [REDACTED] INSP.# [REDACTED]																							
[REDACTED]																							
DO-1600 ENV CAT ((A2)(F2)Y)BBB (SCLMY)EXXXXXZAEZ(RRR)B(A3E3)XXA TSO-C112 CL043,121,F11																							
FCC ID GB8XS 950												H/W MOD											
A B C D E F G H J K L M N P R S T U												A B C D E F G H J K L M N											
V W Y Z AA AB AC AD AE AF AG AH AJ												A B C D E F G H J K L M N											
AK AL AM AN AP AR AS AT AU AV AW AY												A B C D E F G H J K L M N											
BUS. & COMMUTER AVN SYS DIV PHOENIX AZ USA												FSCM 55939											

SCLMY

DO-1600 ENV CAT ((A2)(F2)Y)BBB  
(SCLMY)EXXXXXZAEZ(RRR)B(A3E3)XXA  
TSO-C112 CL043,121,F11

FCC ID GB8XS 950

H/W MOD

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U
V	W	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AJ					
AK	AL	AM	AN	AP	AR	AS	AT	AU	AV	AW	AY						

BUS. & COMMUTER AVN SYS DIV  
PHOENIX AZ USA

FSCM 55939

DO-1600 ENV CAT ((A2)(F2)Y)BBB  
(SCLMY)EXXXXXZAEZ(RRR)B(A3E3)XXA  
TSO-C112 CL043,121,F11

FCC ID GB8XS-950S/I

H/W MOD A B C D E F G H J K L M N

**NOT APPROVED FOR CIVILIAN  
USE, FOR MILITARY USE ONLY**

FIGURE 56. 7021570-45

DWC 0990917A

9-17-99

AT

**Honeywell**

SEE FIRST SHEET FOR  
CONTRACT NUMBER. USE OR  
DISCLOSURE OF INFORMATION  
ON THIS SHEET IS SUBJECT  
TO THE RESTRICTIONS ON  
THE FIRST SHEET OF THIS  
DOCUMENT.

SIZE  
**A**

CAGE CODE  
**55939**

DRAWING NO.

**7021570**

REV  
**AM**

SCALE **2/1**

SHEET **58**

**Business and Commuter Aviation Systems**

Honeywell Inc.

P. O. Box 29000

Phoenix, Arizona 85038-9000

602 436-8000

September 17, 1999

5150-9909-1598

Federal Communications Commission

Equipment Approval Services

P.O. Box 358315

Pittsburgh, PA 15251-5313

Subject: Type Acceptance Honeywell Inc., Commercial Flight Systems Group XS-950X/I  
Data Link Transponder.

Gentlemen:

As required by FCC Rules and Regulations Volume II, Part 2, Subpart J, and Volume V, Part 87, Subpart A, Type Acceptance is requested for Honeywell Inc., Commercial Flight Systems Group Type XS-950S/I Data Link Transponder.

Honeywell drawing DWC 0990917A dated September 17, 1999 shows the "FCC ID" identification and included in the FCC Type Acceptance Report are photos showing the location of these nameplates.

A letter of "Intent to File for FCC Type Acceptance" for the XS-950S/I Data Link Mode "S" ATC Transponder has been sent to the applicable Federal Aviation Administration Office, and included with this application as required by Part 87, Paragraph 87.147(d3).

Our check for \$475.00 is included to cover the required charge for equipment approval service (Part 1, Para. 1.1103).

Your favorable consideration of this application will be appreciated.

Sincerely,

Honeywell Inc.

Commercial Flight Systems Group

Business And Commuter Aviation Systems Division



D. Cleaver

Certifications Engineer

CC.

B. Beningfield

P. Bobrowitz

K. Jellison

J. Redmond

J. Troxel

1	Application (FCC Form 731) dated September 17, 1999
2	Honeywell Inc. Check #3574 dated September 17, 1999
3	Honeywell Inc. letter of intent to file for FCC Type Acceptance dated September 17, 1999 (reference 5150-9909-1597)
4	FCC Type Acceptance Report for ATC Mode "S" Transponder XS-950S/I Honeywell Inc. Drawing EB7517857, Rev. Original <ul style="list-style-type: none"> <li>- Test Report Data</li> <li>- Functions of Semiconductors</li> <li>- Circuit Descriptions</li> <li>- Equipment Photographs</li> <li>- Personnel Qualifications</li> </ul>
5	Honeywell Inc. Integrated Test Specification for the XS-850 Mode "S" Transponder, Drawing No. IT7517800, Rev. M
6	Honeywell Inc., Circuit Card Assembly, A1 Interconnect, Drawing No. 7517820-902, Rev. B
7	Honeywell Inc., Circuit Card Assembly, A2 Processor, Drawing No. 7517826-941, Rev. Original
8	Honeywell Inc., Circuit Card Assembly, XMTR/RCVR A3, Drawing No. 7517835-904, Rev. D
9	Honeywell Inc., Circuit Card Assembly, ATDL Power Supply Unit A4, Drawing No. 7517830-903, Rev. Original
10	Honeywell Inc., XS-950S/I Data Link Transponder Unit Assembly, Drawing No. 7519350, Rev. A
11	Honeywell Inc., Identification Plate (-45, -46), Drawing No. 7021570, Rev. AR with C.O. 103913 and 103927
12	Honeywell Inc., Outline and Installation XS-950S/I, Drawing No. 7519356, Rev. Original
13	Honeywell Inc., Interconnection Diagram – Transponder XS-950S/I, Publication No. 34-52-07 pages 423 thru 431.

Business and Commuter Aviation Systems  
Honeywell Inc.  
P. O. Box 29000  
Phoenix, Arizona 85038-9000  
602 436-8000

September 17, 1999

5150-9909-1597

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION ENGINEERING BRANCH  
SEP 30 1999

Federal Aviation Administration  
Spectrum Engineering Division  
AES-500  
800 Independence Avenue, S.W.  
Washington, D.C. 20591

Subject: Notification of Intent to File for FCC Type Acceptance for Honeywell Inc.,  
Commercial Flight Systems Group XS-950S/I Data Link Transponder.

Gentlemen:

In accordance with FCC Rules and Regulations Part 87, Paragraph 87.147(d3), notification is hereby given of Honeywell Inc., Commercial Flight Systems Group's intent to file for FCC Type Acceptance of the Honeywell Inc., Type XS-950S/I Data Link Transponder.

The XS-950S/I Mode "S" ATC Transponder will be FAA TSO'd to TSO C112, Air Traffic Control Radar Beacon System/Mode Select (ATCRBS/Mode "S") Airborne Equipment. All data submitted to the FCC for Type Acceptance is also included with this letter.

Honeywell Inc., is filing for FCC Type Acceptance for this equipment at this time.

Sincerely,

Honeywell Inc.  
Commercial Flight Systems Group  
Business And Commuter Aviation Systems Division



D. Cleaver  
Certifications Engineer

CC.

B. Beningfield  
P. Bobrowitz

K. Jellison  
J. Redmond

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FCC Equipment Approval Services