

1. Approving Civil Aviation Authority/Country:
FAA/United States

2.

AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
20180004871713Y15
332453120

4. Organization Name and Address:
**Honeywell International Inc.
11100 North Oracle
Tucson, AZ 85737**

Repair Station
HZ3R571L

5. Work Order/Contract/Invoice Number:
8398697
332444887
Page 1 of 1

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:
001	Remote Sensor Unit	2118890-2	1	86-A0117	TESTED

12. Remarks:

THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH:
CMM 21-32-50 REV. 6, JUL/18/2017.

FOR TIME AND CYCLE INFORMATION, PLEASE SEE ATTACHED CAPE REPORT, IF APPLICABLE.

THIS DOCUMENT HAS BEEN ISSUED ACCORDING TO AN APPROVED COMPUTER GENERATED SIGNATURE PROCEDURE.

SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED
CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND IN RESPECT TO THAT WORK THE COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA PART 145 APPROVAL NO. EASA 145.4132

13a. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation.

Non-approved design data specified in Block 12.

13b. Authorized Signature: _____

13c. Approval/Authorization No.: _____

13d. Name (Typed or Printed): _____

13e. Date(dd/mm/yyyy): _____

14a. 14 CFR 43.9 Return to Service Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

14b. Authorized Signature: *John Wells*

14c. Approval/Certificate No.: **HZ3R571L**

14d. Name (Typed or Printed): **John Wells**

14e. Date(dd/mm/yyyy): **13/JUN/2018**

User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA FORM 8130 - 3 (02-14)

NSN : 0052 - 00 - 012 - 9005



1. 国家 Country	2. 中国民用航空总局 CAAC	<input type="checkbox"/> 符合性 Conformity	<input checked="" type="checkbox"/> 适航性 Airworthiness	3. 证书编号 Certificate Ref. No.
中国 China	批准放行证书/适航批准标签 AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG			20180004871714Y05 332453120

4. 单位 Organization	5. 工作单/合同单/货单 Work Order/Contract/Invoice
Honeywell International Inc. 11100 North Oracle Road Tucson, AZ 85737	8398697 332444887 Page 1 of 1

6. 序号 Item	7. 内容 Description	8. 件号 Part No.	9. 适用性 Eligibility	10. 数量 Qty	11. 系列号/批号 Serial/Batch No.	12. 产品状态 Status/Work
001	Remote Sensor Unit	2118890-2	NOT KNOWN	1	86-A0117	INSPECTED / TESTED

13 备注 Remarks
 THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH:
 CMM 21-32-50 REV. 6, JUL/18/2017.

FOR TIME AND CYCLE INFORMATION, PLEASE SEE ATTACHED CAFE REPORT, IF APPLICABLE.

THIS DOCUMENT HAS BEEN ISSUED ACCORDING TO AN APPROVED COMPUTER GENERATED SIGNATURE PROCEDURE.

SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED

14. 新产品 New Parts	15. 使用过的产品 Used Parts
<p>兹声明上述产品除第13项的其它规定以外, 已按照上述国家适航条例进行制造/检查, 并且该产品(出口产品)符合经批准的型号设计资料和进口国提出的专用要求。</p> <p>Certifies that the part(s) identified above except as otherwise specified in block 13 was (were) manufactured/inspected in accordance with the airworthiness regulations of the stated country and / or in the case of parts to be exported with the approved design data and with the notified special requirements of the importing country.</p>	<p>兹声明上述产品除第13项的其它规定以外, 已按照上述国家适航条例和进口国通知的特殊要求进行了工作, 该产品处于安全可用状态可以批准放行使用。</p> <p>Certifies that the work specified above except as specified in block 13 was carried out in accordance with the airworthiness regulations of the stated country and the notified special requirements of the importing country and in respect to that work, the part(s) is(are) in condition for safe operation and considered ready for release to service. (over)</p>
16. 批准人签名 Signature	18. 批准日期 Date
<i>John Wells</i>	JUN/13/2018
17. 批准人姓名 (打印的) Name (Printed)	19. 中国民航总局授权 Issued by or on behalf of the CAAC
John Wells	F00100142



批准放行证书/适航批准标签
AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG
使用者/安装者职责
USER/INSTALLER RESPONSIBILITIES

- (1) 必须明确：本文件并不批准零件/组件/部件可以装到有关产品上。
- (2) 当使用者/安装者使用的是所在国适航当局的条例，而不是本表第1项中所指国家适航当局的条例时，使用者/安装者必须保证所在国的适航当局能接受所指国家适航当局批准出口的零件/组件/部件。
- (3) 表中第14项、第15项的陈述，并不说明本表是安装批准。在所有情况下，航空器使用前，航空器使用者/安装者应把按本国适航条例颁发的安装批准放入维修记录中。
- (1) It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.
- (2) Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1, it is essential that the user/installer ensure that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.
- (3) Statements 14 and 15 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.

Commercial

Honeywell

Repair Station # HZ3R571L

Initial Findings Report

Repair Order: 2018-332388815-001
332444886

Customer: PLANT1013 HAT - Phoenix Honeywell International Inc.

Customer P/O: 8398697

Orig Cust:

Part Number: 2118890-2

Part Desc: Remote Sensor Unit

Serial No: 86-A0117

Mods:

Series/Issue/Amdts: 1

Quantity: 1

Aircraft tail#:

Aircraft S/N#:

Date on:

Received Date: 23 MAY 2018

Date off:

Model #: 690 Quartz sensors

Engine S/N:

Alternate S/N:

TIMES/CYCLES

HH.DD (HH:MM)

Time Since New:

Cycles Since New:

Time Since Overhaul:

Cycles Since Overhaul:

Time Since Repair:

Cycles Since Repair:

CUSTOMER REASON FOR RETURN

HAT ZRIT FOR STOCK

GENERAL CONDITION AS RECEIVED (HIDDEN DAMAGE)

Condition Received Text

last ft date 10/24/16

Component Review shows normal wear and tear with no visible outer damage other than noted .

Reason for return code

Removal Type

Unscheduled

DETAIL DISASSEMBLY / EVALUATION FINDINGS

SERVICE BULLETINS / AUTHORIZING DOCUMENTS

Authorizing Technical Document

Complied With:

Doc#: CMM 21-32-50 Rev: 6 Date: 07/18/2017

WORK PERFORMED / COMMENTS TO CUSTOMER

Workscope Performed / Summary of Actions Taken

Findings Unit passed findings per AT 2118890 Rev J. Final Unit passed ESS

Temp/Vibe and final test PER AT 2118890 Rev J.

Action Taken Code

Tested

Customer Confirmed Removal Reason:

Evaluation Type

Evaluated - No Fault Found

Honeywell Aerospace Training

Oro Valley Contract Mfg Office
Honeywell International Inc
11100 North Oracle Road
TUCSON AZ 85737
Date: 13 JUN 2018

Commercial

Repair Station # HZ3R571L

Honeywell

Configuration And Findings Evaluation

Customer: PLANT1013 HAT - Phoenix Honeywell International Inc.

Repair Order: 2018-332388815-001
332444886

Customer P/O: 8398697

Orig Cust:

Serial No: 86-A0117

Part Number: 2118890-2

Part Desc: Remote Sensor Unit

Mods:

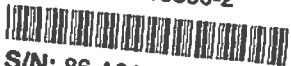
Series/Issue/Amdts: 1

Ship Date:

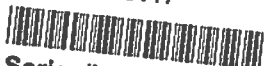
Received Date: 23 MAY 2018

FINAL CONFIGURATION

Part No: 2118890-2



S/N: 86-A0117



Series/Issues/Amdts: 1



Mods:

MECHANIC/ANALYST Karl Laursen

DATE: 11 JUN 2018

Honeywell Aerospace Trading

ANALYTICAL CHECK SHEET FORM

Honeywell

Repair Facility :Oro Valley Contract Mfg Office
Honeywell International Inc 11100 North Oracle Road
TUCSON AZ 85737

Customer PO : 8398697
Notification No: 000332388815
Outline No : 2118890-2
Mod To Outline. :2118890-2

Customer : PLANT9999 AERO-HONEYWELL INTL ZRIT
Service Order No : 5012362576 Sales Order No : 8398697
Serial No: 86-A0117
Mod to S/N : 86-A0117 Model No. : 690 Quartz sensors

	Material	Serial No.	Disp	Qty	Description	Service Order #
IN	2118890-2	86-A0117	M	0	Remote Sensor Unit	5012365880
OUT	2118890-2	86-A0117	M			


REWORK CODE :
CONDITION CODE :



ACCT IND :

ANALYST REMARKS :


Honeywell Aerospace Training

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DATA SHEET PAGE 1 OF 3	PART NAME 777 Remote Sensor Unit	SERIAL NO. 86-A0117	
	PART NO. 2118890-2		
REMARKS Findings/Final	TECHNICIAN  69000005		
	DATE JUN 08 2018	<input checked="" type="checkbox"/> ACCEPT	REJECT <input type="checkbox"/>

<u>Para</u>	<u>Accept</u>	<u>Reject</u>
3.1 EXAMINATION OF REMOTE SENSOR		
No obvious damage observed	✓	_____
3.2.1 <u>Vibration Stress</u>		
Initial setup; no monitor-indicated failures	✓	_____
No failures during x axis	✓	_____
No failures during y axis	✓	_____
No failures during z axis	✓	_____
3.2.2 <u>Temperature Stress</u>		
No failures indicated on the monitor	✓	_____
3.3 PROOF PRESSURE TEST		
Pressure maintained between 57.0 inHgA and 57.2 inHgA	✓	_____
3.4.2 High Pressure Leak Test		
Pressure Sensor + Setup Leak Rate:		
FIRST READING (after 2 min)		= 50.001 inHgA
SECOND READING (after 4 min)		= 49.999 inHgA
PRESSURE SENSOR + TEST SETUP LEAK RATE = FIRST READING		
- SECOND READING DIVIDED BY 2		
(A) Pressure Sensor + Setup Leak Rate		= .003 inHgA/min
Setup Leak Rate:		
FIRST READING (after 2 min)		= N/A inHgA 
SECOND READING (after 4 min)		= N/A inHgA


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DATA SHEET PAGE 2 OF 3	PART NAME 777 Remote Sensor Unit	SERIAL NO. 86-A0117	
	PART NO. 2118890-2		
REMARKS	TECHNICIAN  A FT 53 69000005		
	DATE JUN 08 2018	<input checked="" type="checkbox"/> ACCEPT	REJECT <input type="checkbox"/>

3.4.2 SETUP LEAK RATE = FIRST READING
(Cont'd)

- SECOND READING DIVIDED BY 2

(B) Setup Leak Rate

 A FT 53 = N/A inHgA/min

Pressure Sensor Leak Rate:

Sensor Leak Rate (A - B)

= .003 inHgA/min

Maximum—0.010 inHgA/min

Accept Reject

3.5.1 BONDING RESISTANCE TEST (Pin 9)

Voltage Actual 4.0 mV

Current Actual 1.0 A

Voltage/Current = .004 ohms (0.010 ohm max)

3.5.2 BONDING RESISTANCE TEST (Connector Shell)

Voltage Actual 5.0 mV

Current Actual 1.0 A

Voltage/Current = .005 ohms (0.010 ohm max)


3.6 INSULATION RESISTANCE TEST

Current less than 100 μ A or resistance greater than 1 megohm

3.7 WEIGHT Actual 1.09

Maximum 1.20 lb (544 grams)

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DATA SHEET PAGE 3 OF 3	PART NAME 777 Remote Sensor Unit	SERIAL NO. 86-A0117	
	PART NO. 2118890-2		
REMARKS	TECHNICIAN 	69000005	
	DATE JUN 08 2018	<input checked="" type="checkbox"/> ACCEPT	REJECT <input type="checkbox"/>

3.8 ACCURACY TEST

Pressure (inHgA)	Eo Minimum	Eo Actual	Eo Maximum
5.000	0.785 Vdc	<u>1.797</u>	0.815 Vdc
	245.25 Hz	<u>249.77</u>	254.75 Hz
16.250	2.585	<u>2.601</u>	2.615
	807.75	<u>813.25</u>	817.25
27.500	4.385	<u>4.398</u>	4.415
	1370.25	<u>1374.81</u>	1379.75
38.750	6.185	<u>6.194</u>	6.215
	1932.75	<u>1936.20</u>	1942.25
50.000	7.985	<u>7.996</u>	8.015
	2495.25	<u>2499.25</u>	2504.75

Accept Reject

FREQUENCY OUTPUT WAVEFORM TEST

Oscilloscope Peak to Valley Voltage

Minimum +10 Vdc

Maximum +16.5 Vdc

Actual 13.5

3.8 POWER CONSUMPTION TEST

(a) Voltage across 1 ohm 1.043

(b) Power supply voltage 28.0

Power (a) x (b) 1.204

Power less than 1.50 watts

3.9 TURN ON VOLTAGE

DC Input Voltage

DC Output

Accept

Reject

27.1 to 28.1

4.385 min. to 4.415 max

14.9 to 15.0

4.385 min. to 4.415 max

32.0 to 32.1

4.385 min. to 4.415 max

Torque to 13-15 in-lbs.

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