

Honeywell

Newhouse Operations.

Customer Quality Information Pack

Revised November 2021



Honeywell

Newhouse Operations
Quality Assurance - Customer Information Pack

In response to requests and enquiries from customers regarding the approval status of the Honeywell, Newhouse, facility, the following brief company profile has been compiled to answer frequently asked questions and provide customers with copies of current, relevant approval certificates.

Company Name: Honeywell Control Systems Limited

Address: Newhouse Industrial Estate
Motherwell
Lanarkshire
United Kingdom
ML1 5SB.

Telephone: +44 (0) 1698 608899 (Main Switchboard)

Honeywell Control Systems Limited is a wholly owned subsidiary of Honeywell Limited with its Head Office at Bracknell, Berks, and manufacturing facilities at Newhouse in Lanarkshire, Scotland.

The Newhouse site, including production, research, design and development, is one of the most technically advanced electronics facilities in Europe. Products manufactured include micro switches and solid state sensors.

Micro Switch production, established on a small scale in 1955 to manufacture snap action switches designed by the parent Honeywell U.S. Division in Freeport, Illinois, now manufactures over 1,000,000 switching devices each month. These devices comprise hundreds of different catalogue listings, many of which have been designed and developed in the United Kingdom. The devices are supplied to a very wide commercial and industrial market.

In addition, Honeywell, Newhouse builds electronic sensors and electromechanical/electronic assemblies for the aerospace industry. The Company is approved by the Civil Aviation Authority, for the design and manufacture of switches, sensors and electromechanical/electronic assemblies for aviation industry applications. Newhouse has also attained Nadcap accreditation for its Laser Beam Welding special process

Quality Assurance is recognised as being of vital importance by Honeywell Control Systems Limited in product manufacture and achieving customer satisfaction. This is demonstrated by the status and authority given to the Quality Manager in relation to other major departments and by the stated objective of manufacturing products to a quality equal to, or better than, our competitors.

The company is approved to the following aerospace and internationally recognised quality standards and specifications:

CAA Part 21 Subpart G, Production Organisation Approval.

Reference - UK.21G.2141

Scope - C2 – Parts

Nadcap Accreditation - Welding (Laser Beam Welding)

ISO 9001:2015 - Quality Management Systems – Requirements;

EN/AS 9100 Rev. D - Quality Management Systems – Aerospace Requirements;

ISO 14001:2015 - Environmental Management Systems;

BS ISO 45001:2018 - Occupational Health and Safety Management System.

Baseefa Quality Notification ATEX0527 - Equipment or Protective systems or Components Intended for use in Potentially Explosive Atmospheres directive 2014/34/EU

KOSHA certificate for GXE* Switches.

Copies of the above approval certificates are attached.

The Quality Manager controls the approval system for the release of finished aerospace products.

A supplement developed to address typical questions asked by customers involved in the aerospace industry has been developed as a separate document and is available from the Quality Assurance Department at Newhouse.

Civil Aviation Authority
of the
United Kingdom
A Member State of the European Union



APPROVAL CERTIFICATE

REFERENCE: UK.21G.2141

Pursuant to the European Regulations in force and subject to the conditions specified below,
the Civil Aviation Authority of the United Kingdom hereby certifies

Honeywell Control Systems Limited

Company No. 217803

Newhouse Industrial Estate
Motherwell
Lanarkshire
ML1 5SB


as a


PRODUCTION ORGANISATION

approved according to Part 21, Section A, Subpart G

CONDITIONS

1. The approval is limited to that specified in the enclosed Terms of Approval; and
2. This approval requires compliance with the procedures specified in the Production Organisation Exposition; and
3. This approval is valid whilst the approved production organisation remains in compliance with Part 21, Section A, Subpart G.

Date of original issue:	22 April 2004	Signed : 
Date of this issue:	18 November 2008	

<p>Civil Aviation Authority of the United Kingdom</p>	<p>TERMS OF APPROVAL</p>	<p>TA: UK.21G.2141</p>
<p>This document is part of Production Organisation Approval Number UK.21G.2141 issued to Honeywell Control Systems Limited</p>		
<p>Section 1. SCOPE OF WORK:</p>		
<p><u>PRODUCTION OF</u></p>	<p><u>PRODUCTS/CATEGORIES</u></p>	
<p>C2 Parts</p>	<p>Electromechanical switches, inductive proximity sensors and sensor interface modules, cargo loading systems, electromechanical and electronic assemblies, electromechanical switch actuators and accessories.</p>	
<p>For details and limitations refer to the Production Organisation Exposition, Ref. MQM-2, Section 1.8.</p>		
<p>Section 2. LOCATIONS:</p>		
<p>Newhouse Industrial Estate Motherwell Lanarkshire ML1 5SB</p>		
<p>Section 3. PRIVILEGES:</p>		
<p>The production organisation is entitled to exercise, within its Terms of Approval and in accordance with the procedures of its Production Organisation Exposition, the privileges set forth in 21A.163. Subject to the following:</p>		
<p>Prior to approval of the design of the product an EASA Form 1 may be issued only for conformity purposes.</p>		
<p>Date of original issue: 22 April 2004</p>	<p>Signed :</p>	
<p>Date of this issue: 18 November 2008</p>		
<p></p>		<p>For the Civil Aviation Authority of the United Kingdom</p>

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Newhouse Operations
Quality Assurance - Customer Information Pack

Merit



This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Honeywell Control Systems Ltd

*Newhouse Industrial Estate,
Motherwell, ML1 5SB
United Kingdom*

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Welding

Certificate Number: 11861193790
Expiration Date: 31 August 2022
Accreditation Length: 24 Months



David L. Schutt, PhD
President

Merit

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527

**SCOPE OF ACCREDITATION****Welding**

Honeywell Control Systems Ltd
Newhouse Industrial Estate,
Motherwell, ML1 5SB
United Kingdom

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: www.eAuditNet.com - Online QML (Qualified Manufacturer Listing).

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

AC7110 Rev F - Nadcap Audit Criteria for Welding/ Torch and Induction Brazing and Additive Manufacturing (This is required for all Welding / Torch and Induction Brazing and Additive Manufacturing audits) (to be used on audits on/after 30 April 2017)

AC7110/6 Rev H - Nadcap Audit Criteria for Laser Welding

Baseline (All audits)

Supplement D – Metallographic Evaluation of Qualification Welds (Additional requirements)

AC7110/6S Rev E - Nadcap Supplemental Audit Criteria for Laser Welding (to be used on/after 17 September 2017)

U00 None

AC7110/12 Rev F - Nadcap Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6)

Baseline (All audits)

Supplement A – Metallographic Evaluation of Qualification Welds (Additional requirements)

AC7110/12S Rev H - Nadcap Supplemental Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6) (to be used on audits on/after 4 September, 2016)

U00 None

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Newhouse Operations
Quality Assurance - Customer Information Pack



CERTIFICATE OF REGISTRATION

This is to certify that

Honeywell Control Systems Ltd.

ACS - Sensing & Productivity Solutions (Strategic Business Unit)
Newhouse Industrial Estate, Motherwell, Scotland, North Lanarkshire ML1 5SB United Kingdom

operates a

Quality Management System

which complies with the requirements of

ISO 9001:2015

for the following scope of certification

Design, development and manufacture of switches, sensors and control products, ancillary equipment and systems for industrial, aviation, transport and automotive sectors.

Certificate No.: CERT-0115942
File No.: 014573
Issue Date: February 23, 2021

Original Certification Date: November 8, 2002
Certification Effective Date: February 26, 2021
Certificate Expiry Date: February 25, 2024

Frank Camasta
Global Head of Technical Services
SAI Global Assurance



ISO 9001



Registered by:

CSI - SAI Canada Limited (SAI Global), 25 Carleton Court, Suite 200, Toronto, Ontario M9W 7Y9 Canada. This registration is subject to the SAI Global Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, SAI Global accepts responsibility only for given negligence. This certificate remains the property of SAI Global and must be returned to them upon request. To verify that this certificate is current, please refer to the SAI Global On-Line Certification Register: <https://www.sai-global.com/online-certification-register>



Honeywell

Newhouse Operations
Quality Assurance - Customer Information Pack



CERTIFICATE OF REGISTRATION

This is to certify that

Honeywell Control Systems Ltd.

ACS - Sensing & Productivity Solutions (Strategic Business Unit)

Newhouse Industrial Estate, Motherwell, Scotland, North Lanarkshire, ML1 5SB, United Kingdom

The above organization has been audited in accordance with the requirements of AS9104/1:2012. QMI-SAI Canada Limited (SAI Global) located in Toronto, Ontario, Canada is accredited under the Industry Controlled Other Party (ICOP) scheme. The certificate is issued at the accreditation location in Toronto, Canada.

operates a

Quality Management System

which complies with the requirements of

ISO 9001:2015 + AS9100D

for the following scope of certification

Design, development and manufacture of Control Products:

- 1. Electromechanical Switches**
- 2. Inductive Proximity Sensors and sensor interface modules**
- 3. Cargo Loading Systems**
- 4. Electromechanical & Electronic Assemblies**
- 5. Electromechanical Switch Actuators & Accessories**
- 6. Ancillary Equipment and Systems**

for the Aerospace, Transportation, Ordnance and Marine (ATOM) sectors.

Certificate No.: CERT-0115642

File No.: 014573

Issue Date: February 9, 2021

Original Certification Date: March 22, 2012

Certification Effective Date: March 19, 2021

Certification Expiry Date: March 18, 2024

Frank Camasta
Global Head of Technical Services
SAI Global Assurance



AS9100D



MANAGEMENT SYSTEMS
CERTIFICATION BODY

Registered by:
QMI-SAI Canada Limited (SAI Global), 23 Carleton Court, Suite 200, Toronto, Ontario M9W 7W6 Canada. This registration is subject to the SAI Global Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, SAI Global accepts responsibility only for process negligence. This certificate remains the property of SAI Global and must be returned to them upon request. To verify that this certificate is current, please refer to the SAI Global On-Line Certification Register: <http://www.saiglobal.com/en-us/assessments/industry-and-certification/certification-register>





Current issue date: 2 November 2021
Expiry date: 1 November 2024
Certificate identity number: 10402431

Original approval(s):
ISO 14001 - 24 November 2014
ISO 45001 - 27 September 2021

Certificate of Approval

This is to certify that the Management System of:

Honeywell Control Systems Ltd

Newhouse Industrial Estate, Motherwell, ML1 5SB, United Kingdom

has been approved by Lloyd's Register to the following standards:

ISO 14001:2015, ISO 45001:2018

Approval number(s): ISO 14001 – 0008613, ISO 45001 – 0044200

The scope of this approval is applicable to:

Activities including and associated with the manufacture of switches, sensors and control products, ancillary equipment and systems for industrial, aviation, transport and automotive sectors.

David Derrick

Area Operations Manager UK & Ireland

Issued by: Lloyd's Register Quality Assurance Limited



Lloyd's Register Group Limited, its affiliates and subsidiaries, including Lloyd's Register Quality Assurance Limited (LRQA), and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract. Issued by: Lloyd's Register Quality Assurance Limited, 1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES, United Kingdom





Issued: 03-07-2020

QUALITY ASSURANCE NOTIFICATION

- 1.
2. **Equipment or Protective Systems or Components Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**
3. **Notification number: SGS ATEX 0527**
4. Equipment or Protective Systems or Components are as listed in the Schedule attached to this Notification.
5. Applicant : See Manufacturer
6. **Manufacturer:**

Honeywell Control Systems Ltd
Newhouse Industrial Estate
Motherwell
Lanarkshire
ML1 5SB
7. SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, notifies to the applicant that the actual manufacturer has a quality system which complies with Annexes IV and VII of the Directive.
8. This Notification is based upon Audit Report No 0527 issued on 11/02/2020

This Notification can be withdrawn if the manufacturer no longer satisfies the requirements of the Annexes IV and VII. Results of periodical re-assessment of the quality system are a part of this Notification.
9. This Notification is valid until 19/08/2023 and can be withdrawn if the manufacturer does not satisfy the quality assurance re-assessment.
10. According to Article 16 [3] of the Directive 2014/34/EU the CE marking shall be followed by the identification number 0598 identifying the notified body involved in the production control stage. For Components, as defined in 2014/34/EU, only the identification number 0598 shall be marked. (See ATEX Guidelines § 145)

This Notification may only be reproduced in its entirety and without any change.

SGS Fimko Oy
Sätkinkatu 1
P.O. Box 20 FI-00211 Helsinki
Finland
Telephone +358 (0)9 096 261
Fax: +358 (0)9 692 5474
e-mail sgs.fimko@sgs.com
web site www.sgs.fi
Business ID 0978538-5

R S Sinclair
Authorised Signatory on behalf of
SGS Fimko Oy

M POWNEY
Certification
Manager



Schedule to ATEX Quality Assurance Notification / IECEx Quality Assessment Report
Number: 0527**Issued to: Honeywell Control Systems Ltd**

Products for which the Manufacturer controls the design and manufacture of the product		
Product Type Designation	Type Examination Certificate Number (Including ATEX)	IECEx Certificate of Conformity Number
Product category - EEx d Dust		
Limit Switch Types GXA... and GXE...	KEMA00ATEX2103X	
Micro Switch Series 14CE100	KEMA03ATEX2514X	
Product category - EEx nC (ATEX Certificates are covered on a voluntary basis)		
Micro Switch Types 91SE1, 91SE1-3, 91SE1-3N55, 91SE1-N72, 91SE13-3, 91SE14-1GN70, 91SE14-1N71, 91SE14-1GN77, 91SE14-1N78	KEMA03ATEX1182U	



CERTIFICATE

(1) **EU-Type Examination**

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 00ATEX2103 X** Issue Number: **3**

(4) Product: **Limit Switch types GXA... and GXE...**

(5) Manufacturer: **Honeywell Control Systems Ltd.**

(6) Address: **Newhouse Industrial Estate, Motherwell, Lanarkshire ML1 5SB, United Kingdom**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/KEM/ExTR10.0099/01.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018 EN 60079-1 : 2014 EN 60079-31 : 2014

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 G Ex db IIC T6 Gb
II 2 D Ex tb IIIC T85 °C Db

Date of certification: 8 October 2021

DEKRA Certification B.V.

L.G. van Schie
Certification Manager

Page 1/3



© Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem The Netherlands
T +31 88 96 83000 F +31 88 96 83100 www.dekra-product-safety.com Registered Arnhem 09085396

(13) **SCHEDULE**(14) **to EU-Type Examination Certificate KEMA 00ATEX2103 X** Issue No. 3(15) **Description**

Limit Switch types GXA... and GXE... provided with a permanently connected unterminated cable. The equipment consists of an Ex d and t certified inner switch in an enclosure providing protection.

Ambient temperature ranges -20 °C to +60 °C (max. current 4 A)
-20 °C to +75 °C (max. current 3 A)

Electrical data

	Rated voltage max. [V]	Rated current max. [A]
AC	250	4
DC	250	0.15

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/KEM/ExTR10.0099/01.

(17) **Specific conditions of use**

The relation between ambient temperature and max. current is as shown above in (15) and in installation instructions XP-4051.

The free end of the permanently connected cable shall be connected either by using a suitable certified junction box when the connection is made inside the hazardous area or by using any suitable junction box when the box is placed outside the hazardous area.

The equipment has a non-conducting coating and may generate an ignition-capable level of electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done with a damp cloth.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/KEM/ExTR10.0099/01.

(20) **Certificate history**

Issue 1 - 200422700 Initial certificate.
Issue 2 - 213204400 Assessed against the most actual standard editions.
Minor design change.
Issue 3 - 225591800.01 Assessed against the most actual standard editions.

Page 2/3

Form 227A
Version 2 (2019-06)

Honeywell

Newhouse Operations
Quality Assurance - Customer Information Pack



(13) **SCHEDULE**

(14) to EU-Type Examination Certificate KEMA 00ATEX2103 X

Issue No. 3

Honeywell Control Systems Ltd.,
Newhouse Industrial Estate,
Motherwell, Lanarkshire, ML1 5SB,
Scotland, United Kingdom.

Tel.: +44 (0)1698 481000
Fax: +44 (0)1698 481011

A subsidiary of Honeywell Control Systems Ltd.,

Registered Office: Honeywell House,
Arlington Business Park,
Bracknell, Berkshire,
R12 1EB.

Registered No 217808 (England)

EU Declaration of Conformity

Honeywell Control Systems Ltd. hereby declare that the products identified below conform to the essential requirements of the EU Directive(s) listed below and that the products supplied are in conformity with the type described in any EU Type Examination Certificate (EU TEC) identified below.

Manufacturer:

Product: Limit Switch - GXA, GXE Series
See page 2 for listing chart

Directive (Amendments)

Conformity Details

LVD 2014/35/EU

Standards applied:

EN 60947-1:2007 + A1:2011 + A2:2014
EN 60947-5-1:2017

ATEX 2014/34/EU

Standards applied:

EN IEC 60079-0:2018
EN 60079-1:2014
EN 60079-31:2014

EU TEC No:

KEMA 00ATEX2103 X

Notified Body:

Notified Body ID 0344
Dekra Certification BV, Utrechtseweg 310
6812 AR Arnhem, The Netherlands

ATEX Markings

II 2 GD Ex db IIC T6 Gb, Ex tb IIIC T85C Db

Signed on behalf of Honeywell Control Systems Ltd. :


Gene Ottes, Quality Manager

DoC No: A301

DoC Issue: 12

DoC Date: 02/11/2021

Page 1 of 2

HONEYWELL CONTROL SYSTEMS LIMITED

GXA and GXE Series

Catalogue Listing Characters

1 **2** **3** **4** **5** **6** **7**

1 = GXA or GXE

2 = Any number 1 through 10

3 = 1

4 = A, B, C, D, R

5 = (Optional) 1A, 1B, 1C, 1Y, 2A, 2B, 2D, 2E, 2W, 2Y, 3A, 3B, 4J, 4K, 4N, 5A, 5B, 9A

6 = (Optional) 3, 4, 5, 6

7 = (Optional) may be followed by letters and/or numbers to indicate customer specific listings.

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Newhouse Operations
Quality Assurance - Customer Information Pack

Intertek

APPROVED FACTORY

Honeywell Control Systems Limited

Motherwell

Audit Date: 11 November 2009

Newhouse Industrial Estate, Motherwell, ML1 5SB

This factory has been satisfactorily assessed against BEAB Document 40 for the general assembly and testing of products.

The scope of this assessment covers

Micro Switches

for Regional Director



Date: 26 November 2009

Products may not carry the BEAB Mark of Approval until a separate licence has been issued. This Certificate is not transferable and remains the property of Intertek Testing & Certification Ltd

Certificate Reference No: **HONEYW.02**

Valid for 18 months from date of audit

Intertek Testing & Certification Ltd
Intertek House, Cleve Road, Leatherhead, Surrey, England, KT22 7SB
Tel: +44 (0)1372 370900 Fax: +44 (0)1372 370943
Email: certificates@intertek.com

제 2015-BO-0189 호



(앞쪽)

안 전 인 증 서

Honeywell Control Systems., Ltd

Newhouse Industrial Estate, Motherwell, Lanarkshire, ML1 5SB UK

위 사업장에서 제조하는 아래의 품목이 산업안전보건법 제34조 및 같은 법 시행규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건 기준에 적합하므로 안전인증표시의 사용을 인증합니다.

_____ **품 목** _____

Limit Switch

_____ **형식·모델/용량·등급/인증번호** _____

형식·모델
GXE*****

인증번호
15-AV4BO-0189

용량·등급

Ex tD A21 IP66 T85℃

_____ **인 증 기 준** _____

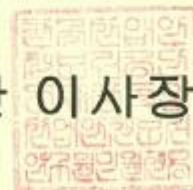
방호장치 의무안전인증 고시(고용노동부고시 제2013-54호)

_____ **인 증 조 건** _____

(뒷쪽)참조

2015년 04월 08일

한국산업안전보건공단 이사장



제 2015-BO-0190 호



(앞쪽)

안 전 인 증 서

Honeywell Control Systems., Ltd

Newhouse Industrial Estate, Motherwell, Lanarkshire, ML1 5SB UK

위 사업장에서 제조하는 아래의 품목이 산업안전보건법 제34조 및 같은 법 시행규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건 기준에 적합하므로 안전인증표시의 사용을 인증합니다.

_____ **품 목** _____

Limit Switch

_____ **형식·모델/용량·등급/인증번호** _____

형식·모델
GXE*****

인증번호
15-AV4BO-0190

용량·등급

Ex d IIC T6

_____ **인 증 기 준** _____

방호장치 의무안전인증 고시(고용노동부고시 제2013-54호)

_____ **인 증 조 건** _____

(뒷쪽)참조

2015년 04월 08일

한국산업안전보건공단 이사장

