Honeywell
Newhouse Operations.

Customer Quality Information Pack
Revised November 2021
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.

Issued November 2021
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)**


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

**ISO 14001:2015** - Environmental Management Systems;


**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
Date of this issue: 18 November 2008

For the Civil Aviation Authority of the United Kingdom

EASA Form 65 - POA Certificate of Approval - Sheet A

February 2008
# Quality Assurance - Customer Information Pack

## Civil Aviation Authority of the United Kingdom

<table>
<thead>
<tr>
<th>TERMS OF APPROVAL</th>
<th>TA: UK.21G.2141</th>
</tr>
</thead>
<tbody>
<tr>
<td>This document is part of Production Organisation Approval Number UK.21G.2141 issued to Honeywell Control Systems Limited</td>
<td></td>
</tr>
</tbody>
</table>

### Section 1. SCOPE OF WORK: PRODUCTION OF PRODUCTS/CATEGORIES

- **C2 Parts**: Electromechanical switches, inductive proximity sensors and sensor interface modules, cargo loading systems, electromechanical and electronic assemblies, electromechanical switch actuators and accessories.

For details and limitations refer to the Production Organisation Exposition, Ref. MQM-2, Section 1.8.

### Section 2. LOCATIONS:

- Newhouse Industrial Estate
- Motherwell
- Lanarkshire
- ML1 5DB

### Section 3. PRIVILEGES:

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.153. Subject to the following:

Prior to approval of the design of the product an EASA Form 1 may be issued only for conformity purposes.

### Date Information:

- **Date of original issue**: 22 April 2004
- **Date of this issue**: 16 November 2006

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For the Civil Aviation Authority of the United Kingdom

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Issued November 2021
SCAPE 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

Issued November 2021
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

Member of Multilateral Recognition Arrangement

SAI GLOBAL

Issued November 2021
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-ASI Canada Limited (SAI Global) located in Toronto, Ontario, Canada is accredited under the Industry Controlled Other Party (ICCP) 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

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, Ordinance 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

Issued November 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
QUALITY ASSURANCE NOTIFICATION

1. Equipment or Protective Systems or Components intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
2. Notification number: SGS ATEX 0527
3. Equipment or Protective Systems or Components are as listed in the Schedule attached to this Notification.
4. Applicant: See Manufacturer
5. Manufacturer:
   Honeywell Control Systems Ltd
   Newhouse Industrial Estate
   Motherwell
   Lanarkshire
   ML1 5SB
7. 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.
8. This Notification is valid until 19/08/2023 and can be withdrawn if the manufacturer does not satisfy the quality assurance re-assessment.
9. 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
P.O. Box 30 Fr-00101 Helsinki
Finland
Telephone +358 050 596 361
Fax +358 399 92 5474
e-mail sgs.fimko@sgs.com
web site www.sgs.com

R S Sinclair
Authorised Signatory on behalf of
SGS Fimko Oy

Issued: 03-07-2020
Issued November 2021
Schedule to ATEX Quality Assurance Notification / IECEx Quality Assessment Report

Product for which the Manufacturer controls the design and manufacture of the product

<table>
<thead>
<tr>
<th>Product Type Designation</th>
<th>Type Examination Certificate Number (Including ATEX)</th>
<th>IECEx Certificate of Conformity Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product category - EEx d Dust</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limit Switch Types OEX... and OXEL...</td>
<td>KEMA00ATEX2100X</td>
<td></td>
</tr>
<tr>
<td>Micro Switch Series 140E100</td>
<td>KEMA00ATEX2104X</td>
<td></td>
</tr>
</tbody>
</table>
| Product category - EEx nC (ATEX Certificates are covered on a voluntary basis)
| Micro Switch Types 91SE1, 91SE1-3, 91SE1-3N65, 91SE1-N72, 91SE1-3-3, 91SE14-1GN70, 91SE14-1N71, 91SE14-1GN77, 91SE14-1N78 | KEMA00ATEX1182U | |
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 08ATEX2103 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 11 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 KNEMEXTR1100696/01.

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

EN IEC 60079-0 : 2018
EN 80079-1 : 2014
EN 60079-31 : 2014

except in respect of those requirements listed at item 15 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:

Ex II G Ex db IIC T6 Gb
Ex II D Ex ib IIC T95°C Db

Date of certification: 8 October 2021

DEKRA Certification B.V.

L.G. van Schie
Certification Manager

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© Integral publication of the certificate and accompanying reports is allowed. The Certificate may only be reproduced in its entirety and without any change.

DEKRA Certification B.V., Meander 1051, 8255 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem The Netherlands
T +31 88 98 83000 F +31 88 98 83100 www.dekra-product-safety.com Registered Arnhem 09085986

Issued November 2021
(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 unterminate 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**

<table>
<thead>
<tr>
<th>Rated voltage max.</th>
<th>Rated current max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>[V]</td>
<td>[A]</td>
</tr>
<tr>
<td>AC 250</td>
<td>4</td>
</tr>
<tr>
<td>DC 250</td>
<td>0.15</td>
</tr>
</tbody>
</table>

**Installation instructions**

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

(16) **Report Number**

No. NLKEM/EtxTR10.0099/01.

(17) **Specific conditions of use**

The relation between ambient temperature and max. current is as shown above in (15) and in installation instructions XP-4631.

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. NLKEM/EtxTR10.0099/01.

(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.
SCHEDULE

to EU-Type Examination Certificate KEMA 00ATEX2103 X

Issue No. 3
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 Certificates (EU TEC) identified below.

Manufacturer:

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

Directive (Amendments) | Conformity Details
----------------------|-----------------|
                     | EN 60947-5-1:2017

ATEX 2014/34/EU       | EN IEC 60079-0:2018
                     | EN 60079-1:2014
                     | EN 60079-31:2014

EU TEC No: KEMA 00ATEX2103 X
Notified Body: Notified Body ID 0546
Dekra Certification BV, Utrechtsweg 310
6812 AR Arnhem, The Netherlands

ATEX Markings II 2 GD Ex db IIC T6 Gb, Ex th IIC T85°C Db
Signed on behalf of Honeywell Control Systems Ltd.:

DoC No: A301          DoC Issuer: 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, 4I, 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.
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, Clove Road, Leatherhead, Surrey, England, KT22 7SB
Tel: +44 (0)1372 370900 Fax: +44 (0)1372 370943
Email: certificates@intertek.com

Issued November 2021
안전 인증 서

Honeywell Control Systems., Ltd

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

위 사업장에서 제조하는 아래의 품목이 산업안전보건법 제34조 및 같은 법 시행규칙 제55조의 4제 4항에 따른 안전인증 심사 결과 안전·보건 기준에 적합하므로 안전인증표시의 사용을 인증합니다.

품 목
Limit Switch

형식·모델/용량·등급/인증번호
GXE****** 15-AV4BO-0189

용량·등급
Ex tD A21 IP66 T85℃

인증 기 준
방호장치 의무안전인증 고시(고용노동부고시 제2013-54호)

인증 조 건
(첨부)참조

2015년 04월 08일

한국산업안전보건공단 이사장
한국산업안전보건공단 이사장

Issued November 2021