




(1) **EC-TYPE EXAMINATION CERTIFICATE**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres -- Directive 94/9/EC
- (3) EC-Type Examination Certificate Number: **KEMA 00ATEX2103 X**
- (4) Equipment or protective system: **Limit Switch types GXA... and GXE...**
- (5) Manufacturer: **Honeywell Control Systems Ltd.**
- (6) Address: **Newhouse Industrial Estate, Motherwell, Lanarkshire ML1 5SB, Scotland**
- (7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) KEMA, notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential report no. 2004227.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 50014 : 1997 EN 50018 : 1994**
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance with the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of the equipment or protective system. These are not covered by the certificate.
- (12) The marking of the equipment or protective system shall include the following:

 **II 2 G EEx d IIC T6**

Arnhem, 2 November 2000
by order of the Board of Directors of N.V. KEMA


L.M.J. Vries
Certification Manager

* This Certificate may only be reproduced in its entirety and without any change



(13)

SCHEDULE

(14)

to EC-Type Examination Certificate KEMA 00ATEX2103 X

(15)

Description

Limit Switch types GXA... and GXE... provided with a permanently connected unterminated cable.

Electrical data

Rated voltage	max. 400 V
Current	max. 3 A (t _a max. 75 °C)
	max. 4 A (t _a max. 60 °C)

Routine tests

Routine tests according to Clause 16.2 of EN 50018 are not required, since the internal volume of the switch is less than 10 cm³.

(16)

Report

KEMA No. 2004227

(17)

Special conditions for safe use

The electrical connection of the permanently connected cable shall be made in a certified enclosure in type of protection flameproof enclosure "d" or increased safety "e", if it is connected in the explosion hazardous area.

The cable shall be fixed and mechanically protected when installed.

Ambient temperature range -20 °C ... +60 °C (max. current 4 A)

Ambient temperature range -20 °C ... +75 °C (max. current 3 A)

(18)

Essential health and safety requirements

Essential Health and Safety Requirements not covered by the standards listed at (9)	
Clause	Subject
1.0.5	Marking
1.0.6 b) and d)	Instructions

These essential health and safety requirements are examined and positively judged.

The results are laid down in the report listed at (16).

(19)

Test documentation

1. Certificate of Conformity PTB No. Ex-91.C.1083 X

(13)

SCHEDULE

(14)

to EC-Type Examination Certificate KEMA 00ATEX2103 X

Test documentation (continued)


			<u>signed</u>
2.	Drawing No.	083-GX-03, rev. 2)
		220-GX-49)
		GL-30191)
		GL-30192)
3.	Samples		

AMENDMENT 1

to EC-Type Examination Certificate KEMA 00ATEX2103 X

Manufacturer: **Honeywell Control Systems Ltd.**Address: **Newhouse Industrial Estate, Motherwell, Lanarkshire ML1 5SB, Scotland****Description**

In future the Limit Switch types GXA... and GXE... may also be used in areas with the presence of combustible dust.

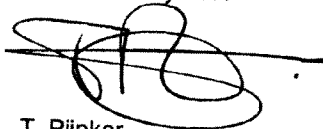
The switch will be marked with the code:  II 2 GD EEx d IIC T6 T85 °C

The maximum surface temperature "T 85 °C" is based on a maximum ambient temperature of 75 °C.

All other data remain unchanged.

Test documentation

		<u>dated</u>
1. Drawing No. 220-GX-49, issue 3)	28.11.2001
GL-30191, issue 2		
GL-30192, issue 2		
2. Sample)	

Arnhem, 11 December 2001
KEMA Quality B.V.T. Pijpker
Certification Manager



AMENDMENT 2

to EC-Type Examination Certificate KEMA 00ATEX2103 X

Manufacturer: **Honeywell Control Systems Ltd.**

Address: **Newhouse Industrial Estate, Motherwell, Lanarkshire ML1 5SB, Scotland**

Description

In future the Limit Switch types GXA... and GXE... may also be constructed in accordance with the test documentation listed below.

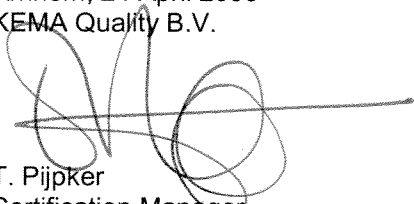
The changes concern the update of the documentation.

All other data remain unchanged.

Test documentation

	<u>dated</u>
Drawing No. 220-GX-49, issue 5	15.07.2004
GL-30191, issue 3	03.2006
GL-30192, issue 4	03.2006
083-GX-03, issue 3	03.2006

Arnhem, 24 April 2006
KEMA Quality B.V.



T. Pijpker
Certification Manager