1   TYPE EXAMINATION CERTIFICATE

2   Component intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3   Certificate Number: **Sira 15ATEX4028U**   Issue: **0**

4   Component: **Touchpoint Pro Analogue Input Module mA (AIMmA)**

5   Applicant: **Honeywell Analytics Ltd**

6   Address: 4 Stinsford Road
Nuffield Estate
Poole, Dorset
BH17 0RZ
United Kingdom

7   This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8   Sira Certification Service certifies that this component has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 2 3 components, which are intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9   Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-0:2012   EN 60079-15:2010

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10   The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any special conditions for safe use are listed in the schedule to this certificate.

11   This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified component, and not to specific components subsequently manufactured.

12   The marking of the component shall include the following:

⟨Ex⟩   II 3G
Ex nA IIC T4 Gc

Project Number   70004994

A C Smith
Certification Manager

This certificate and its schedules may only be reproduced in its entirety and without change.

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Sira Certification Service

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SCHEDULE

TYPE EXAMINATION CERTIFICATE

13 **DESCRIPTION OF COMPONENT**

The Analogue Input Module (AIMmA) is used to read signals from field devices such as gas detectors and communicates to the central control module of the Touchpoint Pro (TPPR) System over a ring network. The module contains two boards, a Core IO board and an Analogue Input board. The two boards connect together via a board-mounted plug and socket and are enclosed inside a plastic housing. The AIMmA is intended to be mounted on a DIN rail inside a cabinet which provides an ingress protection of at least IP54.

The Analogue Input board has four channels and four sets of terminals (TB1 to TB4) for connecting to external circuits. These channels provide functional/operational power to field devices with current limiting up to 1A per channel or 0.5A per channel when all four channels are used. The terminals appear at the front of the housing.

External power connections are made to the rear of the Analogue Input board edge connector which plugs into a Backplane mounted on a DIN rail.

Rated voltage at the DIN-rail edge connector = 18-32V dc.

14 **DESCRIPTIVE DOCUMENTS**

14.1 **Drawings**

Refer to Certificate Annexe.

14.2 **Associated Sira Reports and Certificate History**

Issue	Date	Report number	Comment
0	14 May 2015	R70004994A	The release of the prime certificate.

15 **SPECIAL CONDITIONS FOR SAFE USE**

15.1 The component shall be installed in an Ex e or Ex n approved enclosure that provides an ingress protection of at least IP54.

16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSRs)**

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in reports listed in Section 14.2.

17 **CONDITIONS OF CERTIFICATION**

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

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Certificate Annexe

Certificate Number: Sira 15ATEX4028U

Component: Touchpoint Pro Analogue Input Module mA (AIMmA)

Applicant: Honeywell Analytics Ltd

Issue 0

Drawing no.	Sheets	Rev.	Date (Sira stamp)	Title
2400A1000	1 of 1	01	17 Apr 15	AIMmA General
2400B1000	1 of 1	8	17 Apr 15	AIMmA Parts List
2400D1300	1 of 1	01	17 Apr 15	AIMmA Connection Label
2400D1305	1 of 1	01	17 Apr 15	AIMmA Marking Label
2400D1360	1 of 1	01	17 Apr 15	AIMmA Connection Diagram Label
2400D1366	1 of 1	01	17 Apr 15	AIMmA Serial No. Label
2400A2000	1 to 3	03	17 Apr 15	Analogue Input Board Assembly
2400B2000	1 of 1	05	17 Apr 15	Analogue Input Board Parts List
2400C2001	1 to 5	05	17 Apr 15	Analogue Input Board Schematic
2400D2002	1 to 3	03	17 Apr 15	Analogue Input Board Fabrication
2400F2002	1 to 3	03	17 Apr 15	Analogue Input Board PCB Specification
2400A2065	1 to 3	02	17 Apr 15	IO Core PCB Assembly
2400B2065	1 of 1	04	17 Apr 15	IO Core PCB Parts List
2400C2066	1 to 8	02	17 Apr 15	IO Core PCB Schematic
2400D2067	1 to 3	03	17 Apr 15	IO Core PCB Fabrication
2400F2067	1 to 3	03	17 Apr 15	IO Core PCB Specification

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