1 # UK-TYPE EXAMINATION CERTIFICATE

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 UK-Type Examination Certificate Number: **BAS21UKEX0299X**

4 Product: **E+ Access Panel Types AP1, AP2, AP5 and AP7**

5 Manufacturer: **Gai-Tronics Limited (A Division of Hubbell Limited)**

6 Address: **Brunel Drive, Stretton Business Park, Burton-Upon-Trent, Staffordshire, DE13 0BZ**

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

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR21.0169/00**

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

EN IEC 60079-0: 2018 **EN 60079-11: 2012**

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 UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations 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 2 G Ex ib IIB T4 Gb (-20ºC to +58ºC)**

SGS Baseefa Customer Reference No. **0752** Project File No. **21/0335**

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UKAS PRODUCT CERTIFICATION
0191

(pp)
R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13 # Schedule

14 # Certificate Number BAS21UKEX0299X

15 Description of Product

The E+ Access Panel Types AP1, AP2, AP5 and AP7 are designed for use with the Public Address and General Alarm (PAGA) system. It provides the facility for making audio announcements and for sounding and cancelling alarms and provides two sets of control and audio signals which are isolated from each other.

The front panel is fitted with an array of LEDs, push button switches and a stalk mounted or hand held microphone. Inside there are two identical main boards mounted on a common interface board. Screw terminals for incoming connecting wires are mounted along one edge of the interface board.

Input/Output Parameters

Models AP1, AP2 and AP5

Connector TB4 – System A or B Power Input
U_i = 28V
I_i = 93mA
P_i = 0.65W
C_i = 0
L_i = 0
U_o = 0
I_o = 0

Connector TB3
Not for use in a hazardous area.

Connector TB2 – System A or B Data Connections
U_i = 7.5V
I_i = 750mA
P_i = 1.41W
C_i = 0
L_i = 0
U_o = 9.2V
I_o = 93mA
P_o = 0.65W

Connector TB1 – System A or B Audio Connections
U_i = 7.5V
I_i = 750mA
P_i = 1.41W
C_i = 0
L_i = 0
U_o = 4.5V
I_o = 18mA
P_o = 4mW

Model AP7

Connector TB4 – System A Power Input
U_i = 28V
I_i = 93mA
P_i = 0.65W
C_i = 0
L_i = 0

U_o = 0
I_o = 0

Connector TB3
Not for use in a hazardous area.

Connector TB2 – System A Data Connections
U_i = 7.5V
I_i = 750mA
P_i = 1.41W
C_i = 0
L_i = 0
U_o = 9.2V
I_o = 93mA
P_o = 0.65W

Connector TB1 – System A Audio Connections
U_i = 7.5V
I_i = 750mA
P_i = 1.41W
C_i = 0
L_i = 0
U_o = 4.5V
I_o = 18mA
P_o = 4mW

Connector TB8 – System B Power Input
The parameters for this connector are identical to those for TB4.

Connector TB7
The parameters for this connector are identical to those for TB3.

Connector TB6 – System B Data Connections
The parameters for this connector are identical to those for TB2.

Connector TB5 – System B Audio Connections
The parameters for this connector are identical to those for TB1.

16 Report Number

GB/BAS/ExTR21.0169/00

17 Specific Conditions of Use

1. Models AP1, AP2 and AP5 have non-metallic enclosures or parts of enclosures. These constitute an electrostatic hazard and must not be installed in a position that would subject them to a fast-flowing dust laden atmosphere. Additionally, the equipment must only be cleaned with a damp cloth.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
13	LVD type requirements
14	Overloading of equipment (protection relays, etc.)
21 (1)	External effects
21 (2)	Aggressive substances, etc.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
319-01-0000-000	5 of 6	9	07/01/13	Elemec Plus Access Panel Type AP Certification Label
500-01-0636-000	1 of 2	4	13/02/14	Elemec Plus Access Panel Type AP7 General Arrangement
500-01-0632	1 of 1	5	19/09/19	Elemec Plus Access Panel Type AP5 General Arrangement

For all other drawings, see Baseefa03ATEX0005X Issue 10 and IECEx BAS 08.0066X Issue 6