

### **CERTIFICATE OF CONSTANCY OF PERFORMANCE**

Issued by DBI Certification, notified body No. 2531.

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

#### Model AU2410

The product fulfils the essential characteristic:

See Annex 1

Intended use: Applications related to automatic fire alarm systems

Placed on the market under the name or trade mark of:

Autronica Fire and Security AS Bromstadvegen 59 7047 Trondheim Norway

and produced in the manufacturing plant:

Elmdene International Ltd 3 Keel Close, Interchange Park Portsmouth, Hampshire, PO3 5QD United Kingdom

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 54-4:1997/A1:2002/A2:2006 : Fire detection and fire alarm systems - Part 4: Power supply equipment

under system 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

The attached annexes form part of this certificate.

Date of issue: 2020-12-18.

This certificate will remain valid as long as neither the harmonized standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.

This certificate was first issued 2020-12-18.

Merete Poulsen Responsible for evaluation Thomas Anthony Wilson
Responsible for certification decision



#### Annex 1

### **EXTENT**

Product/Device description:

Model AU2410-17 10A Power Supply with model 17 Enclosure Model AU2410-38 10A Power Supply with model 38 Enclosure

**Product information:** 

Model Reference: AU2410

Type: Power supply equipment (PSE)

Description: This product is designed as power supply equipment for automatic fire detection and fire

alarm systems installed in buildings.

Technical Data:

Supply Voltage: 110-240 V AC (+10% / -15%)
Output Voltage (Mains): 27.0 – 28.3 V DC (27.6 V nominal)

Output Voltage (Battery): 21.0 – 26.0 V dc

I<sub>max</sub> a/b: 10.0 A with 18Ah Batteries / 8.0A with 38Ah Batteries / 7.2A with 65Ah Batteries

 $\begin{array}{ll} I_{\text{min}} \colon & 0 \text{ mA} \\ \text{Ri}_{\text{max}} \colon & 0.5 \ \Omega \end{array}$ 

Battery Capacity: 18 Ah with 17 Enclosure

38 Ah with 38 Enclosure

65 Ah with AUBATT-65 External Enclosure

Enclosure Size: 17 Enclosure: 400 x 420 x 80 mm

38 Enclosure: 420 x 420 x 180 mm

AUBATT-65 Enclosure: 450 x 535 x 245 mm

#### **Performance**

| Clauses in EN 54-4:1997 | Performance  |  |
|-------------------------|--|--|
| 4, 5, 6 a)              | Pass   |  |
| 4, 5, 6, 7, 8 a)        | Pass   |  |
| 9.5                     | Pass   |  |
|                         |  |  |
| 9.7, 9.8, 9.15          | Pass   |  |
|                         |  |  |
| 9.9 to 9.13             | Pass   |  |
|                         |  |  |
| 9.6, 9.14               | Pass   |  |
|                         |  |  |
|                         | 4, 5, 6 a)<br>4, 5, 6, 7, 8 a)<br>9.5<br>9.7, 9.8, 9.15<br>9.9 to 9.13 |  |

a) The products covered by this standard are assumed to function during the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.



<sup>-</sup> extracts only with written permission from DBI Certification A/S.

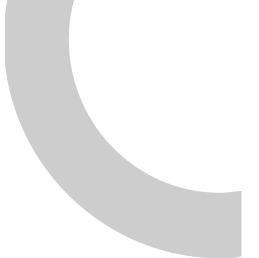


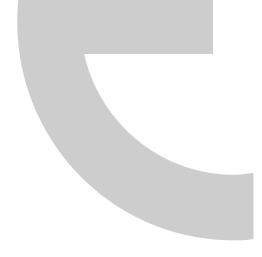


Annex 2

#### TEST DOCUMENTATION

| Accredited Laboratory | Report no.                                  | Date       |
|-----------------------|---|------------|
| UL LLC                | NC25138-D3-European Directive-Original 2410 | 2014-11-24 |
|                       |   |            |









### Annex 3

### **TECHNICAL BASIS**

| File Number | Title   | Rev.     |
|-------------|---|----------|
| -           | STX2410-E and Block Diagram – Control, Fault and DC Routing     | 01A -    |
| -           | STX2410-E Power Block Diagram                                   | 01A -    |
| -           | STX2410 Description of Operation                                | 01B -    |
| -           | STX2410 Software Documentation                                  | 01C -    |
| PAK200574   | STX2410-E, STX2410-H, STX2410-E+BATT BOX-65 Installation Manual | 01H      |
| SAS100709   | Battery Leads and Thermistor BOM                                | 03A      |
| MEC200262   | E Type Enclosure Base   | 12A      |
| MEC200274   | E Type Enclosure Lid  | 10A      |
| MEC200269   | H Type Enclosure Base   | 22A      |
| MEC200263   | H Type Enclosure Lid  | 10A      |
| 120101      | STX2410-E Daughter  | 01B      |
|             | STX2410-H Bill of Materials                                     | 01B      |
|             |   |          |
| 120301      | STX2410-E PCA Assembly Bill of Materials                        | 01C      |
|             | STX2410-E Bill of Materials                                     | 01B      |
| 120300      | STX2410-E Component layout                                      | 09-16-14 |
| -           | Model STX2410-E PCA Critical Component list                     | 01A      |
| 200708      | Model STX2410-E Cover   | 02A      |
| 200707      | Model STX2410 Chassis   | 04B      |
| 120300      | Model STX2410-E Schematic                                       | 03A      |
| MEC200710   | 2410-H Case Chassis   | A2       |
| MEC200709   | STX2410 Heat sink   | 02A      |
| SAS100713   | 65Ah Battery Case, and link Cable                               | 01A      |
|             | BATT BOX-65 BOM   | 01A      |
|             |   |          |
|             |   |          |

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