

# Technical Data

|                                    | <b>SYV+</b>                                          | <b>SYV+/AV</b>                                       |
|------------------------------------|------------------------------------------------------|------------------------------------------------------|
| Operating voltage                  | 9 - 60Vdc                                            | 9 - 60Vdc                                            |
| Current (max.)                     | 10mA @ 24Vdc                                         | 14mA @ 24Vdc                                         |
|                                    | 50mA @ 9Vdc                                          | 60mA @ 9Vdc                                          |
|                                    | 10mA @ 60Vdc                                         | 14mA @ 60Vdc                                         |
| Cable size                         | 0.28 - 2.5mm <sup>2</sup>                            | 0.28 - 2.5mm <sup>2</sup>                            |
| Ambient temperature (min/max)      | -10°C to +55°C<br>-25°C to +70°C (WP) <sup>(1)</sup> | -10°C to +55°C<br>-25°C to +70°C (WP) <sup>(1)</sup> |
| Material                           | ABS V0                                               | ABS V0 / PC                                          |
| Environmental category (IP rating) | SYV+ = IP21C<br>SYV+/WP = IP33C (IP66*)              | SYV+/AV = IP21C<br>SYV+/AV/WP = IP33C (IP66*)        |
| Tones & voice messages             | See overleaf                                         | See overleaf                                         |
| Flash frequency                    | -                                                    | 1Hz                                                  |

## \*Manufacturer's declaration

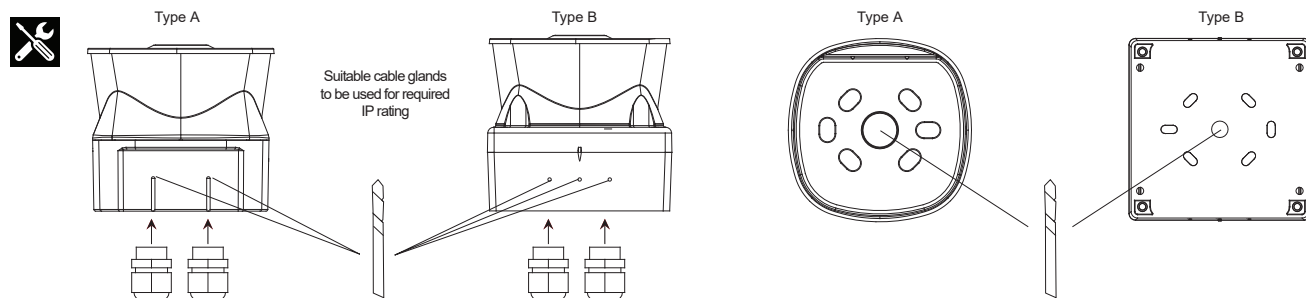
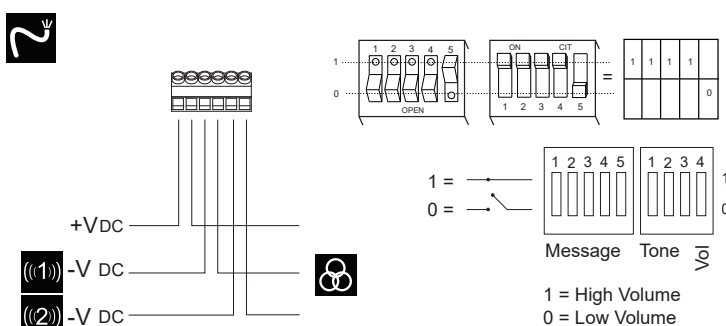
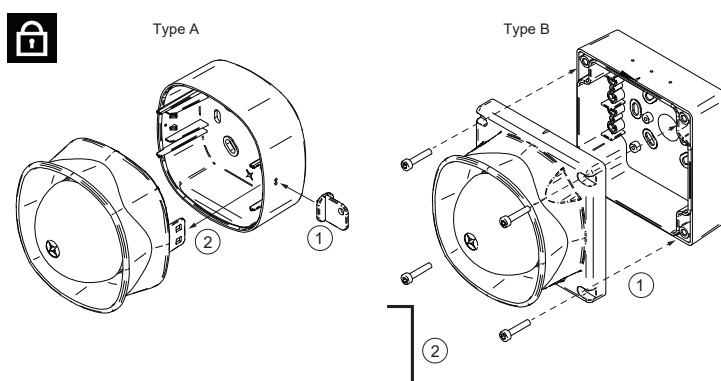
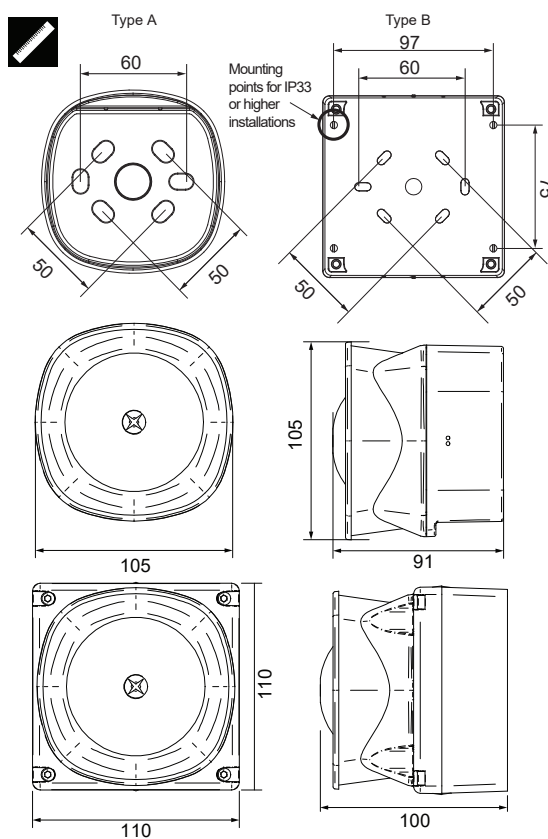
Fire Alarm Device - Sounder for indoor (type A) and outdoor<sup>(1)</sup> (type B) use

### Essential Characteristics

Harmonized Technical Specification: EN54-3:2001+A1:2002+A2:2006

| Clause(s)                                             | Performance |
|-------------------------------------------------------|-------------|
| 4.2, 4.3, 5.2, 5.3, C.3.1, C.3.2, C.5.1, C.5.2, C.5.3 | Pass        |
| 4.4, 4.5, 4.6, 5.4                                    | Pass        |
| 5.5, 5.6 <sup>(1)</sup> , 5.7, 5.8, 5.9               | Pass        |
| 5.8, 5.9, 5.10 <sup>(1)</sup>                         | Pass        |
| 5.11                                                  | Pass        |
| 5.12, 5.13, 5.14, 5.15                                | Pass        |
| 5.16                                                  | Pass        |
| 5.17                                                  | Pass        |

<sup>(1)</sup> Only applicable to SYV+/WP and SY+/AV/WP



Tones SYV+

|                                                                                  |                                                                                   |                                                                                   |                                                                                                                      |               |                                                       | Low Volume |                |          | High Volume |                |          |                                                                                            |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------|------------|----------------|----------|-------------|----------------|----------|--------------------------------------------------------------------------------------------|
|  |  |  | Tone                                                                                                                 |               |                                                       | mA         | ii Eaton dB(A) | ** dB(A) | mA          | ii Eaton dB(A) | ** dB(A) |  EN54-3 |
| 1                                                                                | 3                                                                                 | 111X                                                                              | Continuous                                                                                                           | 900Hz         | Steady                                                | 4          | 82             | 79       | 4           | 94             | 91       | Y                                                                                          |
| 2                                                                                | 1                                                                                 | 011X                                                                              | Slow Whoop                                                                                                           | 500 to 1200Hz | 3.5s Sweep, 0.5s silence, then repeat                 | 7          | 87             | 84       | 7           | 96             | 92       | Y                                                                                          |
| 3                                                                                | 1                                                                                 | 101X                                                                              | Alternating                                                                                                          | 990 & 650Hz   | 2Hz (250ms - 250ms)                                   | 7          | 83             | 80       | 7           | 94             | 91       | Y                                                                                          |
| 4                                                                                | 1                                                                                 | 001X                                                                              | Intermittent                                                                                                         | 990Hz         | 1Hz (500ms On/500ms Off)                              | 5          | 82             | 78       | 5           | 94             | 90       | Y                                                                                          |
| 5                                                                                | 1                                                                                 | 110X                                                                              | Sweep (DIN)                                                                                                          | 1200 ~ 500Hz  | 1Hz                                                   | 8          | 87             | 84       | 8           | 96             | 93       | Y                                                                                          |
| 6                                                                                | 1                                                                                 | 010X                                                                              | Intermittent                                                                                                         | 990Hz         | 3 x 500ms pulses followed by 1.5s silence then repeat | 5          | 82             | 78       | 5           | 94             | 90       | Y                                                                                          |
| 7                                                                                | 1                                                                                 | 100X                                                                              | Sweep                                                                                                                | 800 ~ 970Hz   | 1Hz (1/s)                                             | 8          | 86             | 83       | 8           | 96             | 93       | Y                                                                                          |
| 8                                                                                | 1                                                                                 | 000X                                                                              | No Tone (for use if message has tone already recorded, or if no tone required - in this state Voice Message repeats) |               |                                                       |            |                |          |             |                |          |                                                                                            |

Note: For AV version (SYV+/AV) increase current by 4mA      \*\*Min SPL @ Loudest measurement node, corrected for 1m as per EN54-3

Voice Message Set VP025ASY\*\*\*

|  |  |  | Code     | Tone                                                                                    |  EN54-3 |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 1                                                                                | 2                                                                                 | 1111                                                                              | 028MGBSY | Fire! Fire! Please leave the building. Fire! Fire! Leave the building.                  | Y                                                                                          |
| 2                                                                                | 1                                                                                 | 0111                                                                              | 007MGBSY | In the interests of safety please evacuate the building now.                            | Y                                                                                          |
| 3                                                                                | 2                                                                                 | 1011                                                                              | 028MDSY  | Feuer! Feuer! Bitte verlassen Sie das Gebäude. Feuer! Feuer! Verlassen Sie das Gebäude. | Y                                                                                          |
| 4                                                                                | 2                                                                                 | 0011                                                                              | 005MDSY  | Bitte räumen Sie das Gebäude. Ein Feuer ist ausgebrochen.                               | Y                                                                                          |
| 5                                                                                | 2                                                                                 | 1101                                                                              | 003MDSY  | Achtung! Achtung! Bitte raumen Sie umgehend diese Etage.                                | Y                                                                                          |
| 6                                                                                | 2                                                                                 | 0101                                                                              |          |                                                                                         |                                                                                            |
| 7                                                                                | 2                                                                                 | 1001                                                                              |          |                                                                                         |                                                                                            |
| 8                                                                                | 2                                                                                 | 0001                                                                              |          |                                                                                         |                                                                                            |
| 9                                                                                | 2                                                                                 | 1110                                                                              |          |                                                                                         |                                                                                            |
| 10                                                                               | 2                                                                                 | 0110                                                                              |          |                                                                                         |                                                                                            |
| 11                                                                               | 2                                                                                 | 1010                                                                              |          |                                                                                         |                                                                                            |
| 12                                                                               | 2                                                                                 | 0010                                                                              |          |                                                                                         |                                                                                            |
| 13                                                                               | 2                                                                                 | 1100                                                                              |          |                                                                                         |                                                                                            |
| 14                                                                               | 2                                                                                 | 0100                                                                              |          |                                                                                         |                                                                                            |
| 15                                                                               | 2                                                                                 | 1000                                                                              |          |                                                                                         |                                                                                            |
| 16                                                                               | 2                                                                                 | 0000                                                                              |          |                                                                                         |                                                                                            |
| 17                                                                               | 2                                                                                 | 00000                                                                             |          | Factory set mode - not for end user use                                                 |                                                                                            |

\*\*\*Please check the Voice Message Set (VPXXXASY) on the Product Label. If this does not match the standard set, please see supplementary commercial documentation for the special message settings which will be contained within the packaging.

- I. Tones certified under the CPR (Fire Alarm Applications) are shown in the column marked 

II. All other SPL measurements are taken 'on axis' & are not third party verified.

III. Detailed EN54-3 polar SPL measurements are available in M08-001

I. Les tons certifiés dans le cadre de la RPC (application alarme incendie) sont indiqués dans la colonne intitulée 

II. Toutes les autres mesures NPA sont relevées « sur axe » et ne sont pas vérifiées par un tiers.

III. Les mesures NPA polaires détaillées EN54-3 sont disponibles dans M08-001

I. Die nach CPR (Feuermelderanwendung) zertifizierten Töne sind in Spalte 

II. Alle anderen Schalldruckmessungen wurden vom akustischen Mittelpunkt ab gelesen und von keiner unabhängigen Stelle verifiziert.

III. Detaillierte Polar-SPL-Messungen gemäß EN54-3 sind erhältlich in M08-001

I. I toni della sirena certificati CPR (applicazione allarme antincendio) sono indicate nella colonna contrassegnata con 

II. Tutte le altre misurazioni SPL sono state rilevate "sull'asse" e non sono state verificate da terzi.

III. Le misurazioni SPL polari ai sensi della norma EN54-3 sono disponibili in M08-001

I. U vindt tonen die onder CPR (brandalarmtoepassing) zijn gecertificeerd, in de kolom waar 

II. Alle andere SPL-afmetingen zijn via de 'as' gedaan en niet door derden geverifieerd.

III. Uitgebreide polaire SPL-afmetingen voor EN54-3 zijn beschikbaar in M08-001
- I. Los sonidos certificados por el CPR (aplicación para alarmas de incendios) se muestran en la columna marcada con 

II. Cualquier otra medida del SPL (nivel de intensidad acústica) se toma "sobre el eje" y no está verificada por terceras partes.

III. Las medidas detalladas del SPL polar EN54-3 están disponibles en M08-001

I. Signaler som är certifierade för CPR (brandvarnare) visas i kolumnen märkt 

II. Alla övriga mätningar av ljudtrycket har genomförts "direkt intill" och är inte bekräftade av tredje part.

III. Detaljerade polära mätningar av ljudtrycket enligt EN54-3 finns under M08-001

I. Sygnaly tonowe zgodne z certyfikatem CPR dla systemów sygnalizacji pożaru wskazane są w kolumnie 

II. Wszystkie pomiary SPL są wykonane w osi sygnalizatora i nie były poddane weryfikacji przez inną stronę.

III. Szczegóły pomiarów kątowych SPL wg EN54-3 dostępne są w M08-001.