Signaling units

Harmony® XVS sirens and electronic alarms

Catalog

February 2015
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The Harmony XVS range of multi sound sirens, multi sound alarms, and editable alarms are commonly used audible signaling products for a wide range of applications. These audible units come with a combination of innovative features, high performance and simplicity.

- Available in various sound levels to suit for different industrial applications (106dB, 105dB, 90dB, 96dB, 97dB, and 89dB at 1m/3.28 ft.)
- Used for long distance indication of the operating status or sequences of a machine or installation

- Configurable via SD card
- Improved efficiency to set up by easily allowing to edit the voice message and change the modes on site
- Adjustable volume up to 97dB (for DIN 96) or 89dB (for DIN 72)

**Editable sound offer**

**Customized voice message**
- A free of charge configuration software allows to customize the audible signals via SD card
- Improved efficiency to set up by easily allowing to edit the voice message and change the modes on site
- Adjustable volume up to 97dB (for DIN 96) or 89dB (for DIN 72)

**Compact audible units**
Editable sound offer (continued)

Easy sound configuration
- High level of alerting with customized voice message
- Different types of audible sounds in single product makes it easy to use, simple to select and decreases the stock
- Wide range of configuration with 6 input channels and up to 63 output tones

Compact and flexible
- Easy installation with panel and wall mounting
- Body thickness reduced to 24.9mm/0.98 in. (DIN 72) and 50.1mm/1.97 in. (DIN96)
- With binary and bit input options, 8 work operation modes are available for various operations

Robustness
- IP 65 degree of protection (for panel mounting)
- CE certified and RoHS compliant

Industrial applications
Ideally suited for factory applications: AGV, packaging machine and non factory applications: packing, public transportation.
### Signaling solutions

**Harmony® type XV**

#### Harmony® type XV

- **Monolithic tower lights**

#### Type of products

- Pre-assembled and pre-cabled USB tower lights
- Pre-assembled and pre-cabled tower lights
- Variable composition tower lights for customer assembly of up to 4 units

#### Diameter

- Ø 60 mm / 2.362 in.
- Ø 40 mm / 1.575 in.
- Ø 100 mm / 3.937 in.

#### Degree of protection conforming to IEC 60529

- IP 42
- IP 53 and IP 42 (base mounting)
- IP 53 (direct aluminium tube mounting and "L" bracket)
- IP 53 (aluminium tube mounting and fixing plate)
- IP 40 (aluminium tube mounting and foldable bracket)
- IP 54 (flat surface installation)
- IP 23 (vertical surface installation)

#### Type of signalling

- Steady
- Flashing
- "Flash"
- Sound

#### Light sources

- Incandescent bulb
- LED bulb
- Integral LED
- "Flash" discharge tube
- Halogen bulb

#### Colors of illuminated units

- Multi-color LEDs (many possible combinations can be set with HMI)
  - Red
  - Orange
  - Green
  - Blue

#### Connection

- USB power cable:
  - 300 mm / 11.81 in. for tube mounting
  - 400 mm / 15.75 in. for direct mounting

#### Support panel drilling or cut-out

- Mounting on support tube with fixing plate:
  - 4 x Ø 6 mm / 0.236 in.
- Direct mounting on horizontal/support:
  - 3 x Ø 6 mm / 0.236 in.

### Type references

- XVGU
- XVG
- XVC4
- XVC6
- XVC1
Selection guide (continued)

Harmony® type XV

Signaling solutions

Harmony® type XV

Modular tower lights

Type of products
- Illuminated beacons
- Tower lights for customer assembly of up to 5 units
- Pre-assembled/pre-cabled tower lights
- Pre-cabled rotating beacons
- Pre-cabled motor-less rotating/flashing beacons
- Complete miniature beacons
- Sirens and electronic alarms

Diameter
- Ø 70 mm/2.756 in.
- Ø 60 mm/2.362 in.
- Ø 50 mm/1.968 in.
- Ø 84 mm/3.31 in.
- Ø 130 mm/5.12 in.
- Ø 45 mm/1.772 in.

Degree of protection conforming to IEC 60529
- IP 65 (mounted on fixing base XVBZ0)
- IP 66 (mounted on base unit)
- IP 65 for illuminated units
- IP 54 for audible units
- IP 55 for flexible mounting module
- IP 54 in vertical position (XVM with plastic fixing plate)
- IP 42 in horizontal position (XVM with metal bracket)
- IP 40 in other positions (all types of XVm tower lights)

Connection
- Screw clamp terminals
- Spring cage connection terminals

Support panel drilling or cut-out
- Mounting on support tube: 3 x Ø 6 mm/0.236 in.
- Direct mounting: 2 x Ø 5 mm/0.197 in.
- Direct mounting: 3 x Ø 6 mm/0.236 in.

Type references
- XVBL
- XVBC

More technical information on www.schneider-electric.com
The multi sound sirens and alarms in the Harmony XVS range are audible signaling units used for long distance indication of the operating status or sequences of a machine or installation.

**XVSV editable voice alarms**

The XVSV editable voice alarms are compact audible signaling units. Availability in dark Grey and White color makes them ideal for use in public areas and for factory applications. These units have wide range of configuration which allows selection of 6 voice channels, playing 63 messages with playback time of 256 sec (64 kb/s), to be mounted on wall or panels (protection: up to IP 65).

**XVS10, XVS14, XVS72, XVS96 multi sound sirens and alarms**

This range involves several types of ready to use products mainly used on conveyor belts, automated industrial trucks and on the doors of electrical control panels:

- sirens with 2 tones, with very compact size, type XVS10,
- multisound sirens (43 tones), pre-cabled, 8 channels, type XVS14,
- electronic alarms, white or black color, 16 tones, 4 channels, type XVS72 and XVS96, to be mounted on panels (protection: IP 54).

The sound, with continuous or intermittent tone:

- guarantees a sound level of 106 dB at 1 m for XVS10,
- can be adjusted from 0 to 105 dB at 1 m for XVS14,
- can be adjusted from 0 to 90 dB at 1 m for XVS72,
- can be adjusted from 0 to 96 dB at 1 m for XVS96.

**Environment**

The XVS sirens and electronic alarms offer following characteristics:

- Degrees of protection:
  - IP 65 for editable voice alarms type XVSV
  - IP 53 for multi sound sirens type XVS10 and XVS14
  - IP 54 for multi sound alarms type XVS72 and XVS96

- These products meet the requirements of the following standards:
  - EN/IEC 61000-6-2 and EN/IEC 61000-6-3 for voltages 120 V and 230 V A.C. (XVS14BMW and XVS72),

- Product certifications:
  - XVS10, XVS14, XVS72, and XVS96 are CE, UL and CSA certified
  - XVSV editable voice alarms type are CE certified

**Connection**

Products are to be connected:

- through cable-glands for using 6.5 mm/0.26 in. to 8.5 mm/0.33 in. cables (XVS10)
- through power wire c.s.a.: 0.52 mm²/AWG 20 and signal wire c.s.a.: 0.33 mm²/AWG 22, with flying leads, length 500 mm/19.6 in. (XVS14),
- through screw clamp terminals (XVS72 and XVS96).

For more technical information, please refer to our website www.schneider-electric.com.

**Software configuration**

- The “Playlist Builder” software is used to configure the audible signals of XVSV voice units,
- This software can be downloaded from www.schneider-electric.com for free of charge,
- It is compatible with Windows XP and Windows 7 (recommended) operating system,
- It allows configuration of audible signals to be set on 6 voice channels allowing to play 63 messages.
## Signaling Units

### Sound units

#### Harmony type XVS

- Multi sound sirens and alarms

### XVSV editable voice alarms

<table>
<thead>
<tr>
<th>Description</th>
<th>Voltage</th>
<th>Color</th>
<th>Reference</th>
<th>Weight kg/lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Editable alarms, DIN72</td>
<td>~12-24</td>
<td>NPN, Black</td>
<td>XVSV7BBN</td>
<td>0.142/0.313</td>
</tr>
<tr>
<td></td>
<td>~12-24</td>
<td>NPN, White</td>
<td>XVSV7BWN</td>
<td>0.142/0.313</td>
</tr>
<tr>
<td></td>
<td>~12-24</td>
<td>PNP, Black</td>
<td>XVSV7BBP</td>
<td>0.142/0.313</td>
</tr>
<tr>
<td>Editable alarms, DIN96</td>
<td>~12-24</td>
<td>NPN, Black</td>
<td>XVSV9BBN</td>
<td>0.268/0.591</td>
</tr>
<tr>
<td></td>
<td>~12-24</td>
<td>NPN, White</td>
<td>XVSV9BWN</td>
<td>0.268/0.591</td>
</tr>
<tr>
<td></td>
<td>~12-24</td>
<td>PNP, Black</td>
<td>XVSV9BBP</td>
<td>0.268/0.591</td>
</tr>
<tr>
<td></td>
<td>~100-230</td>
<td>NPN, Black</td>
<td>XVSV9MBN</td>
<td>0.267/0.589</td>
</tr>
<tr>
<td></td>
<td>~100-230</td>
<td>NPN, White</td>
<td>XVSV9MWN</td>
<td>0.267/0.589</td>
</tr>
</tbody>
</table>

- Wall mounting plate for DIN72 and DIN96: XVSZ016 (1) 0.148/0.326
- Gasket for DIN72: XVSZ084 (2) 0.002/0.004
- Gasket for DIN96: XVSZ085 (2) 0.002/0.004
- Bracket(with 2 screws) for DIN72: XVSZ090 (2) 0.015/0.033
- Bracket(with 2 screws) for DIN96: XVSZ091 (2) 0.027/0.060

### XVSI0, XVSI4, XVSI72, XVSI96 sirens and electronic alarms

<table>
<thead>
<tr>
<th>Description</th>
<th>Voltage</th>
<th>Color</th>
<th>Reference</th>
<th>Weight kg/lb</th>
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<tr>
<td>Sirens 106 dB, 2 tones</td>
<td>~12-24</td>
<td>White</td>
<td>XVS10BMW</td>
<td>0.800/1.764</td>
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<tr>
<td></td>
<td>~120</td>
<td>White</td>
<td>XVS10GMW</td>
<td>1.000/2.206</td>
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<tr>
<td></td>
<td>~230</td>
<td>White</td>
<td>XVS10MMW</td>
<td>1.000/2.206</td>
</tr>
</tbody>
</table>
| Multisound sirens 0 to 105 dB, 43 tones
  8 channels Pre-wired              | ~12/24   | White      | XVS14BMW    | 1.000/2.205  |
|                                    | ~120     | White      | XVS14GMW    | 1.200/2.646  |
|                                    | ~240     | White      | XVS14MMW    | 1.200/2.646  |
| Multisound alarms 0 to 90 dB, 16 tones
  Panel Mount DIN72 4 channels     | ~12/24   | PNP, Black | XVS72MBBP   | 0.180/0.397  |
|                                    | ~12/24   | PNP, White | XVS72BMWP   | 0.180/0.397  |
|                                    | ~12/24   | NPN, Black | XVS72MBBN   | 0.180/0.397  |
|                                    | ~12/24   | NPN, White | XVS72BMWN   | 0.180/0.397  |
| Multisound alarms 0 to 96 dB, 16 tones
  Panel Mount DIN96 4 channels     | ~12/24   | PNP, Black | XVS96MBBP   | 0.400/0.882  |
|                                    | ~12/24   | PNP, White | XVS96BMWP   | 0.400/0.882  |
|                                    | ~12/24   | NPN, Black | XVS96MBBN   | 0.400/0.882  |
|                                    | ~12/24   | NPN, White | XVS96BMWN   | 0.400/0.882  |

(1) Optional
(2) Accessory included
### Product reference index

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