

Signaling units

Harmony[®] XVS sirens and electronic alarms

Catalog

February 2015



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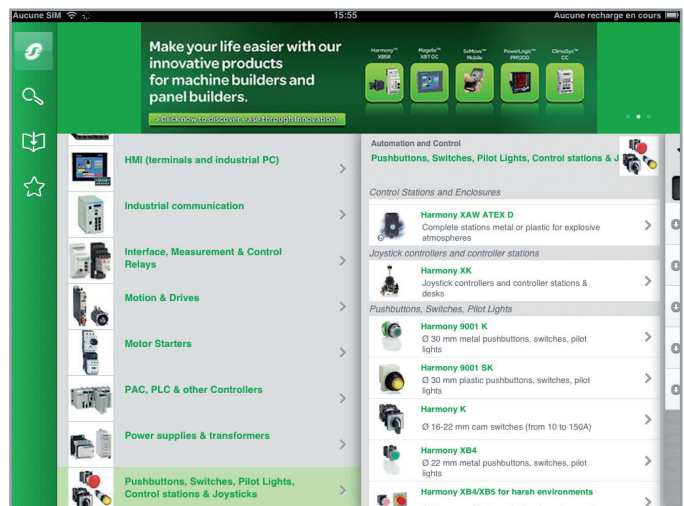
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Harmony® XVS sirens and electronic alarms

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Signaling units

Sound units

Harmony type XVS

Multi sound sirens and alarms

Harmony® XVS editable sound offer



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



XVSV7●●●



XVSV9●●●



XVS72



XVS96



XVS14



XVS10

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)

Playlist Builder



Configuration of
audible signal via
Playlist Builder
software



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



Easy sound kit selection
and volume adjustment
with use of simple tool



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



Panel thickness reduced
by 20% making the audible
units compact



Robustness

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



Designed in conformity
with requirements of the
European RoHS
Directive 2011/65/EU



→ Industrial applications

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



Factory
applications



Packing



Public
areas



Public
transportation



Editable voice message

Harmony® type XV

Monolithic tower lights



Type of products		Pre-assembled and pre-cabled USB tower lights	Pre-assembled/pre-cabled tower lights Variable composition tower lights for customer assembly of up to 4 units
Diameter		Ø 60 mm/2.362 in.	Ø 60 mm/2.362 in.
Degree of protection conforming to IEC 60529		IP 42	IP 53 and IP 42 (base mounting) IP 23 (direct aluminium tube mounting, aluminium tube mounting and "L" bracket) IP 53 and IP 42 (aluminium tube mounting and fixing plate) IP 40 (aluminium tube mounting and foldable bracket)
Type of signalling	Steady	Yes	Yes
	Flashing	Yes	–
	"Flash"	–	–
	Sound	With buzzer (volume control and alarm type can be set with HMI)	With buzzer
Light sources	Incandescent bulb	–	–
	LED bulb	–	–
	Integral LED	Yes	Yes
	"Flash" discharge tube	–	–
	Halogen bulb	–	–
Colors of illuminated units		Multi-color LEDs (many possible combinations can be set with HMI) ☐ Red ☐ Orange ☐ Green ☐ Blue	☐ Red ☐ Green ☐ Amber ☐ Blue
Connection		USB power cable: - 300 mm/11.81 in. for tube mounting - 400 mm/15.75 in. for direct mounting	Flying leads, length 500 to 560 mm/19.68 to 22.05 in. for tube mounting according to model. Length 900 mm/35.43 in. for base 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 5 mm/0.197 in.	Base mounting: 3 x Ø 5 mm/0.197 in. Direct aluminium tube mounting: Ø20/0.787 in. Aluminium tube mounting and "L" bracket: 2 x Ø9/0.354 in. Aluminium tube mounting and fixing plate: 4 x Ø6/0.236 in. Aluminium tube mounting and foldable bracket: 4 x Ø6/0.236 in.
Type references		XVGU	XVG



Pre-assembled and pre-cabled tower lights	Pre-assembled and pre-cabled tower lights	Pre-assembled and pre-cabled tower lights
Ø 40 mm/1.575 in.	Ø 60 mm/2.36 in.	Ø 100 mm/3.937 in.
IP 54 (flat surface installation) IP 23 (vertical surface installation)	IP 54 (flat surface installation) IP 23 (vertical surface installation)	IP 54 (flat surface installation)
Yes	Yes	Yes
Yes	Yes	Yes
–	–	–
With buzzer	With buzzer	With siren or buzzer
–	–	–
–	–	–
Yes	Yes	Yes
–	–	–
–	–	–
☐ Red ☐ Orange ☐ Green ☐ Blue ☐ Clear	☐ Red ☐ Orange ☐ Green ☐ Blue ☐ Clear	☐ Red ☐ Orange ☐ Green ☐ Blue ☐ Clear
Flying leads, length 450 mm/17.71 in. to 900 mm/35.43 in. according to model	Flying leads, length 450 mm/17.71 in. to 850 mm/33.46 in. according to model	Flying leads, length 500 mm/19.68 in.
Mounting on support tube with bracket: 2 x Ø 9 mm/0.354 in. Direct mounting on horizontal support: 3 x Ø 5 mm/0.20 in. Other mounting possibilities with accessories	Mounting on support tube with bracket: 2 x Ø 11 mm/0.43 in. Direct mounting on horizontal support: 3 x Ø 5 mm/0.197 in. Other mounting possibilities with accessories	Direct mounting on horizontal support: - 3 x Ø 6 mm/0.236 in. (without siren) - 3 x Ø 7 mm/0.276 in. (with siren) Other mounting possibilities with accessories
XVC4	XVC6	XVC1

Harmony® type XV		Modular tower lights	
			
Type of products		Illuminated beacons Variable composition tower lights for customer assembly of up to 5 units	Tower lights for customer assembly of up to 5 units.
Diameter		Ø 70 mm/2.756 in.	Ø 60 mm/2.362 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
Type of signalling	Steady	Yes	Yes
	Flashing	Yes	Yes
	"Flash"	Yes	Yes
	Sound	Yes	Yes (buzzer or editable voice)
Light sources	Incandescent bulb	Yes	–
	LED bulb	"PROTECTED LED"	–
	Integral LED	"PROTECTED LED"	Yes
	"Flash" discharge tube	Yes	–
		Halogen bulb	–
Colors of illuminated units		☐ Green ☐ Red ☐ Orange ☐ Blue ☐ Clear ☐ Yellow	☐ Green ☐ Red ☐ Orange ☐ Blue ☐ White ☐ Yellow
Connection		Screw clamp terminals	Spring cage connection terminals
Support panel drilling or cut-out		Mounting on support tube: 4 x Ø 5.5 mm/0.217 in. or M5 Vertical mounting: 3 x Ø 5 mm/0.197 in. or M5 Direct mounting: 2 x Ø 4.5 mm/0.177 in. or M4	Mounting on support tube and adjustable support tube: 4 x Ø 6 mm/0.236 in. Flexible wall mounting: 3 x Ø 5 mm/0.197 in. Direct mounting: 2 x Ø 5 mm/0.197 in. 3 x Ø 5 mm/0.197 in. 4 x Ø 5 mm/0.197 in.
Type references		XVBL, XVBC	XVU

Rotating beacons		Sound solutions	
			
Pre-assembled/pre-cabled tower lights Variable composition tower lights for customer assembly of up to 5 units		Pre-cabled rotating beacons Pre-cabled motor-less rotating/flashing beacons	Complete miniature beacons
Ø 45 mm/1.772 in.		Ø 84 mm/3.31 in. to Ø 130 mm/5.12 in.	Ø 45 mm/1.772 in.
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)		Ø 84 mm/3.31 in. and Ø 106 mm/4.17 in.: IP 23 (IP 65 with accessory) Ø 120 mm/4.72 in.: IP 23 Ø 130 mm/5.12 in.: IP 66 and IP 67 (depending on voltage) Ø 100 mm/3.94 in.: IP 65 for upright position, IP 23 for sideways and inverted position	IP 40
Yes		Yes	Yes
Yes		–	–
Yes		–	Yes
Yes		Yes	–
Yes		–	Yes
Yes		"Super Bright"	–
–		–	–
Yes		–	Yes
–		Yes	–
☐ Red ☐ Green ☐ Orange ☐ Blue ☐ Clear		☐ Red ☐ Orange ☐ Green ☐ Blue	☐ Green ☐ Red ☐ Orange ☐ Blue ☐ Clear ☐ Yellow
Flying leads, length 300 mm/11.81 in. or screw terminals		Flying leads, length 400 mm/15.75 in. (except XVR08: 500 mm/19.68 in.)	Screw clamp terminals
Mounting on bracket: 2 x Ø 9 mm /0.354 in. Mounting on support tube: 4 x Ø 5.5 mm/0.217 in. or M5		Depending on model: - XVR08 (Ø 84 mm/3.31 in.): 3 x Ø 5 mm/0.197 in. - XVR10 (Ø 106 mm/4.17 in.): 3 x Ø 5 mm/0.197 in. - XVR12 (Ø 120 mm/4.72 in.): 3 x Ø 6 mm/0.236 in. - XVR13 (Ø 130 mm/5.12 in.): 3 x Ø 9 mm/0.354 in. - XVR13●●●L (Ø 130 mm/5.12 in.): 3 x Ø 7 mm/0.276 in. - XVR3 (Ø 100 mm/3.94 in.): 3 x Ø 6 mm/0.236 in.	3 x Ø 3.3 mm /0.130 in. or M3
XVM		XVR	XVDLS
			XVS

Signaling Units

Sound units

Harmony type XVS

Multi sound sirens and alarms



XVSV7



XVSV9



XVS10



XVS14



XVS72



XVS96

Presentation

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),
 - EN/IEC 60947-1 and EN/IEC 60947-5-1 for voltages 12 V and 24 V A.C. (XVS10, XVS14GMW, XVS14MMW and XVS96).
- Product certifications:
 - XVS10, XVS14, XVS72, and XVS96 are CE, UL and CSA certified
 - XVSV editable voice alarms type are CE certified

Connection

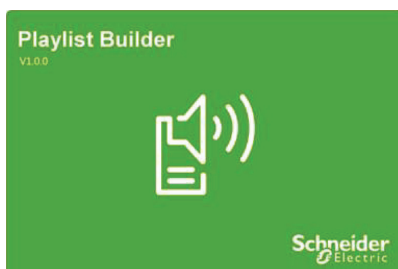
Products are to be connected:

- 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.



Playlist Builder configuration software window

Signaling Units

Sound units

Harmony type XVS

Multi sound sirens and alarms

PF141827A



XVSV7BWN

PF141528A



XVSV9BBN

PF141530A



XVSVZ016

PF540616



XVS10M

PF560825



XVS14MW

PF560826



XVS72BM

PF560827



XVS96BM

XVSV editable voice alarms

Description	Voltage V	Color	Reference	Weight kg/lb
Editable alarms, DIN72	12-24	NPN, Black	XVSV7BBN	0.142/0.313
		NPN, White	XVSV7BWN	0.142/0.313
		PNP, Black	XVSV7BBP	0.142/0.313
Editable alarms, DIN96	12-24	NPN, Black	XVSV9BBN	0.268/0.591
		NPN, White	XVSV9BWN	0.268/0.591
		PNP, Black	XVSV9BBP	0.268/0.591
	100-230	NPN, Black	XVSV9MBN	0.267/0.589
	100-230	NPN, White	XVSV9MWN	0.267/0.589
Wall mounting plate for DIN72 and DIN96			XVSVZ016 (1)	0.148/0.326
Gasket for DIN72			XVSVZ084 (2)	0.002/0.004
Gasket for DIN96			XVSVZ085 (2)	0.002/0.004
Bracket(with 2 screws) for DIN72			XVSVZ090 (2)	0.015/0.033
Bracket(with 2 screws) for DIN96			XVSVZ091 (2)	0.027/0.060

XVS10, XVS14, XVS72, XVS96 sirens and electronic alarms

Description	Voltage V	Color	Reference	Weight kg/lb
Sirens 106 dB, 2 tones	12-24	White	XVS10BMW	0.800/1.764
	120	White	XVS10GMW	1.000/2.205
	230	White	XVS10MMW	1.000/2.205
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	XVS72BMBP	0.180/0.397
		PNP, White	XVS72BMWP	0.180/0.397
	12/24	NPN, Black	XVS72BMBN	0.180/0.397
		NPN, White	XVS72BMWN	0.180/0.397
	12/24	PNP, Black	XVS96BMBP	0.400/0.882
		PNP, White	XVS96BMWP	0.400/0.882
Multisound alarms 0 to 96 dB, 16 tones Panel Mount DIN96 4 channels	12/24	NPN, Black	XVS96BMBN	0.400/0.882
		NPN, White	XVS96BMWN	0.400/0.882
	12/24	NPN, Black	XVS96BMBN	0.400/0.882
		NPN, White	XVS96BMWN	0.400/0.882

(1) Optional

(2) Accessory included

X	
XVSV7BBN	9
XVSV7BWN	9
XVSV7BBP	9
XVSV9BBN	9
XVSV9BWN	9
XVSV9BBP	9
XVSV9MBN	9
XVSV9MWN	9
XVSZ016	9
XVSZ084	9
XVSZ085	9
XVSZ090	9
XVSZ091	9
XVS10BMW	9
XVS10GMW	9
XVS10MMW	9
XVS14BMW	9
XVS14GMW	9
XVS14MMW	9
XVS72BMBP	9
XVS72BMWP	9
XVS72MBN	9
XVS72BMWN	9
XVS96BMBP	9
XVS96BMWP	9
XVS96MBN	9
XVS96BMWN	9

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