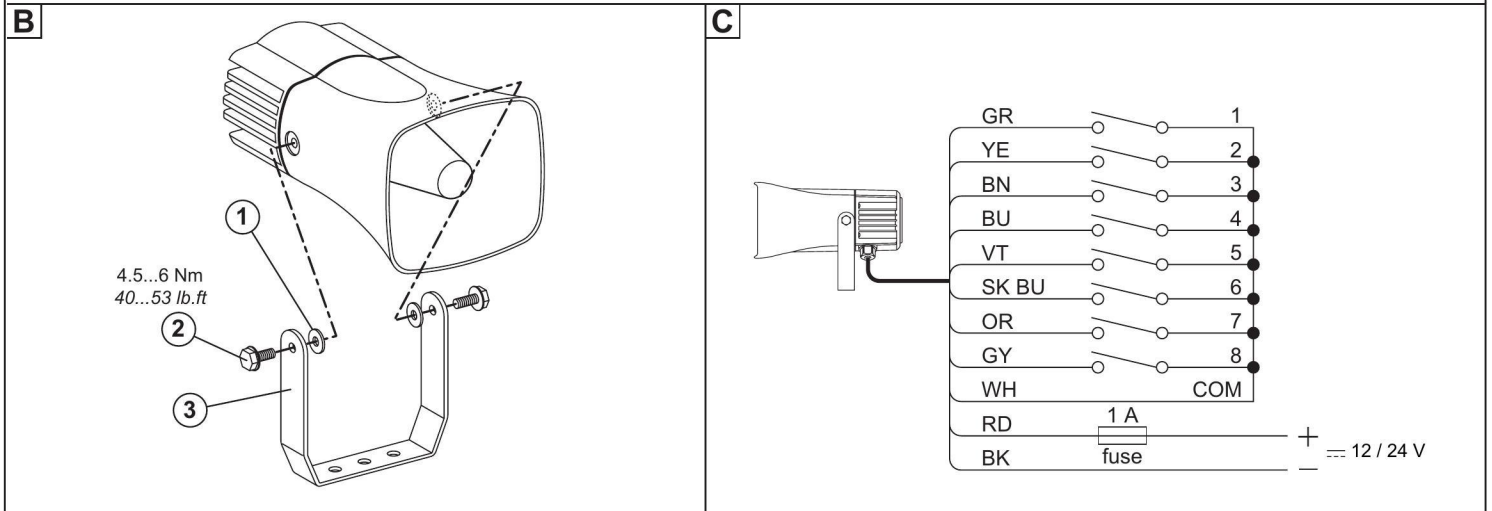
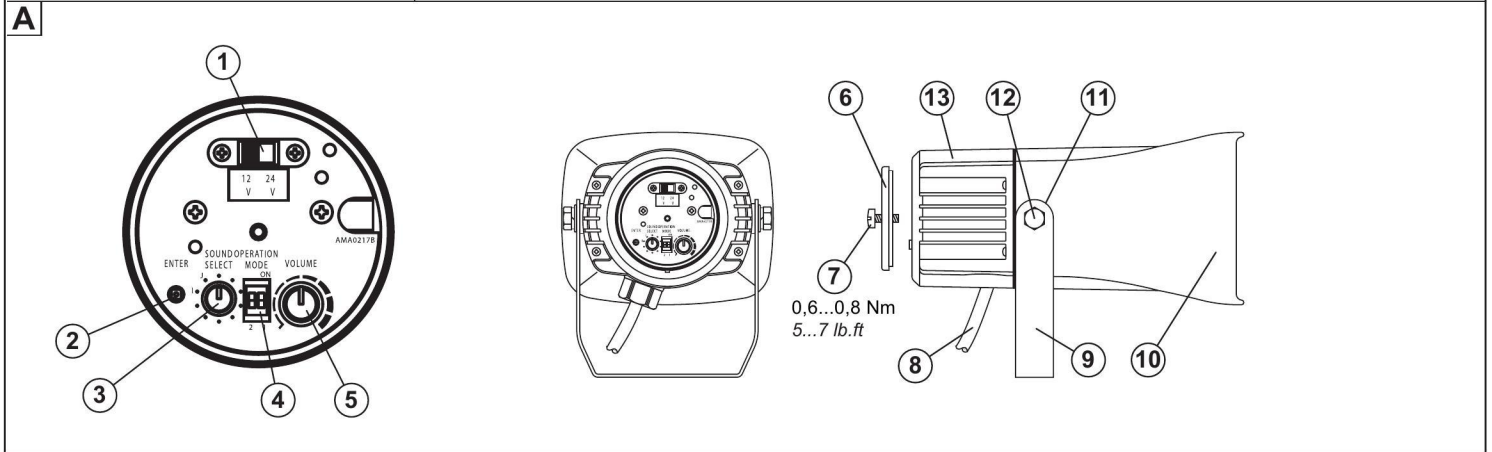


XVS 14BM..



Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

CAUTION

EQUIPMENT DAMAGE

- Turn off power supply before working on this equipment.
- Install the unit in an atmosphere with a 35 % RH to 85 % RH.
- Don't use near a strong electromagnetic field.

Failure to follow these instructions can result in injury or equipment damage.

EN Horn

A PART NAMES

- ① Voltage select
- ② Enter button
- ③ Sound select
- ④ Operation mode
- ⑤ Volume
- ⑥ Back cover
- ⑦ Cover screw
- ⑧ Cable
- ⑨ Mounting bracket
- ⑩ Horn
- ⑪ Resin washer
- ⑫ Angle fixation bolt
- ⑬ Main body

B INSTALLATION

- ① Resin washer : install it between bracket and horn
 - ③ Mounting bracket
 - ② Angle fixation bolt
- Detach mounting bracket from horn and mount securely to a solid surface with minimal vibration.
 - Place plastic washer between horn and mounting bracket and mount the horn to the bracket by installing the bolt through the bracket and washer.
 - Mount the unit with the horn angled downward.
 - Do not install in a location near strong electromagnetic fields. This may result in improper operation.
 - Do not control the unit by quickly switching the power ON and OFF. Wait at least 500 ms between switching. Do not switch the signal input with a pulse of less than 10 ms. Not following these guidelines may result in chattering or no operation.

C WIRING

- Remove cover screw and detach back cover.
- Select 12V or 24V using switch.
- Reinstall back cover and ensure o-ring is properly seated to maintain enclosure rating.
- Add silicon grease to the o-ring if necessary.
- The --- supply voltage should be higher than the signal voltage, with a current rating of 50 mA or higher.
- Connect the negative supply wire to the black wire.
- Connect the positive supply wire to the red wire.
- Connect the external signal common (negative) to the white wire.
- Connect the signal input(s) to the proper wires for desired operation.
- Insulate the ends of unused wires.
- This product does not include an internal fuse, therefore it is recommended to add an external fuse to protect the product from internal damage.

D OPERATING USE

1) Input operation explanation

- Bit input (operation mode 1 to 3) :
For modes 1-3, A channel will play when a signal (bit) is inputted. When the power supply is turned on, the selected sound will play when connected to an external switching signal.
- Binary input (operation mode 4) :
For mode 4, a control signal input on channel 8 (gray wire) makes the input binary. Playing the selected channels with an external switching signal will correspond with the operation of channels 1-6 to select the 63 possible sounds when the power supply is turned on. Refer to table 1 for the selection of a sound channel.

Table 1 - Sound channel in the binary input mode

Sound channel	Channel input signal					
	N° 6 sky-blue	N° 5 violet	N° 4 blue	N° 3 brown	N° 2 yellow	N° 1 green
—						
1						●
2					●	
3					●	●
⋮						
62	●	●	●	●	●	
63	●	●	●	●	●	●

● Signal "ON" state

2) Operation mode setting

- Four of the following operation mode functions are indicated by the dip switch settings in the table hereinafter. The combination of signal inputs can be set according to the input modes. Please disconnect the power supply before setting.
- The mode control switch is located on the main body. Remove the back cover to access. Refer to table 2 for the settings. The operation mode is set for first priority mode when being shipped.

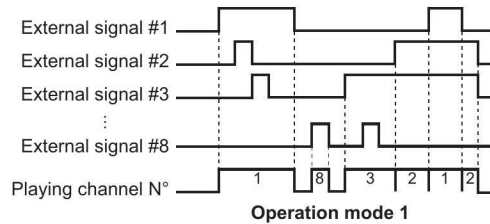
Table 2 - Operation mode settings

Operation mode	Switch state	Summary
		① Input signal ② The number of maximum sound control ③ Sound played
1. Priority mode		① Bit input ② 8 ③ Play the sound with the lowest number first
2. Latest entry mode		① Bit input ② 8 ③ Play the most recently input sound first
3. Single shot mode		① Bit input ② 8 ③ Store input numbers and play back each sound for about 3 seconds in entry sequence
4. Binary mode		① Bit input ② 63 ③ Play the control signal input (gray wire), the sound identified by 6 bits binary code

(The black part is the switch "on" position)

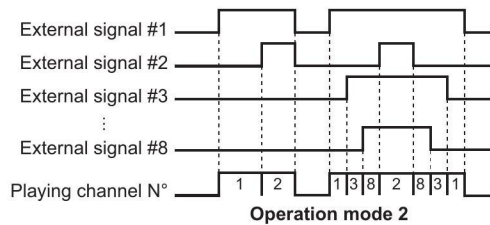
• Operation mode 1 (first priority mode)

- When an external input signal is held high, the sound will continue to play.
- When more than one external input signal is on simultaneously, the priority with the lowest number will play first.



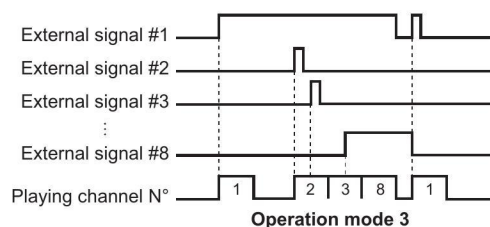
• Operation mode 2 (latest entry mode)

- When an input signal is on, the sound will continue to play.
- When an input signal of another channel inputs while the first channel input is still on, the sound will be interrupted to play the channel from the other channel input.



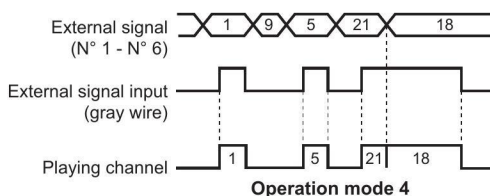
• Operation mode 3 (one-shot mode)

- A one-shot signal (10 ms or longer) will play a sound, even in case of a continuation of another signal that is held for about 3 seconds.
- It can store all 1 the input signals(maximum of 31 inputs) during operation, and will play the sound in the input order.

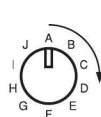


• Operation mode 4 (binary mode)

- After a control signal input (gray wire), the channel input signal will sound when that input is selected. A combination (6 bit binary code) of up to 63 channels will sound when there is a control signal input. (refer to table 1)
- While an external signal input and a control signal input are present, the sound will play.



3) Sound Group Settings



- After removing the back cover, turn the switch located on the main body in the back to select groups A - I. (refer to chapter G : Table of built-in sounds).
- For operation Mode 4 (Binary Mode), the sound group has to be selected to "Group A" in order to operate.
- Sound Group (I) is an optional entry (refer to chapter F : Sound registration method)

4) Volume Adjustment



- Adjust the volume located on the back of the main body.
- The unit is set on maximum volume when shipped from the factory.

E CHARACTERISTICS

Model	XVS 14BMW	
Rated power voltage	12 V	24 V
Voltage range	10...15 V	19...29 V
Current consumption	350 mA	400 mA
Rated output	2 W	
Sound pressure level	105 dB (at 1 m) *	
Sound input mode	Bit input (operation mode 1-3) : 8 Binary input (operation mode) : 63 kinds	
Rated time	Continuous	
Temperature range	-10...+50 °C / 14...122 °F	
Humidity range	35...85 % RH (no condensation)	
Degree of protection	IP53 (dustproof and rainproof)	
Body color	Whitish-gray (optional colors : RED, YELLOW)	

* The declared value is the maximum sound pressure. There is a case in the value becoming lower than the sound pressure due to the type of sound or a change in voltage.

Cord Length : 500 mm / 19.68 in

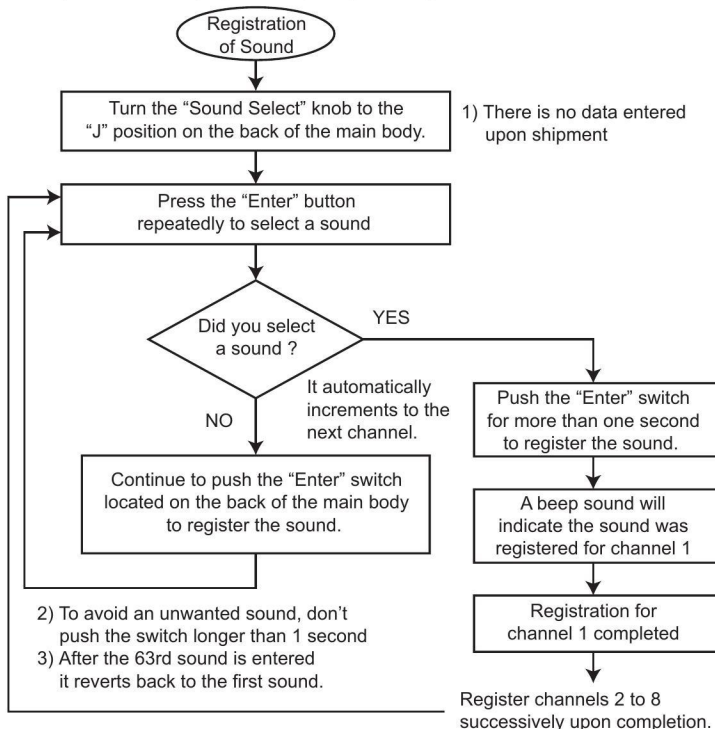
Type : VCTF-1 1C (Diameter Ø8.5 mm / Ø0.34 in)

Power Cord : UL1007 AWG20

Signal Wire : UL1007 AWG22

F SOUND REGISTRATION METHOD

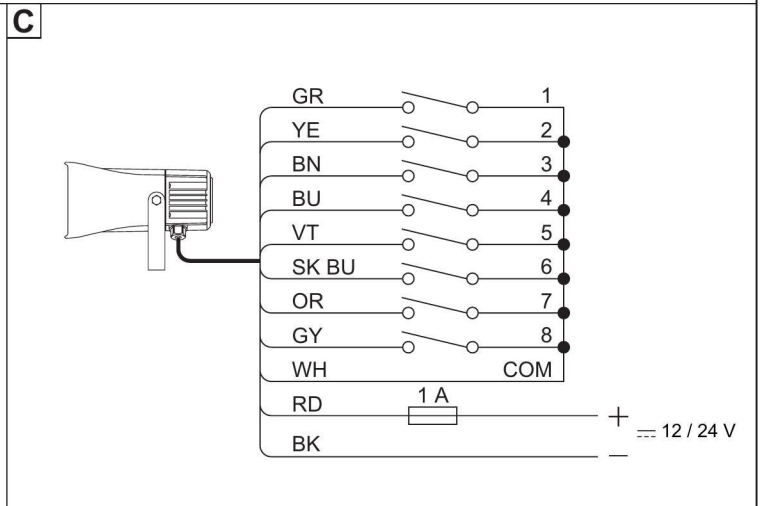
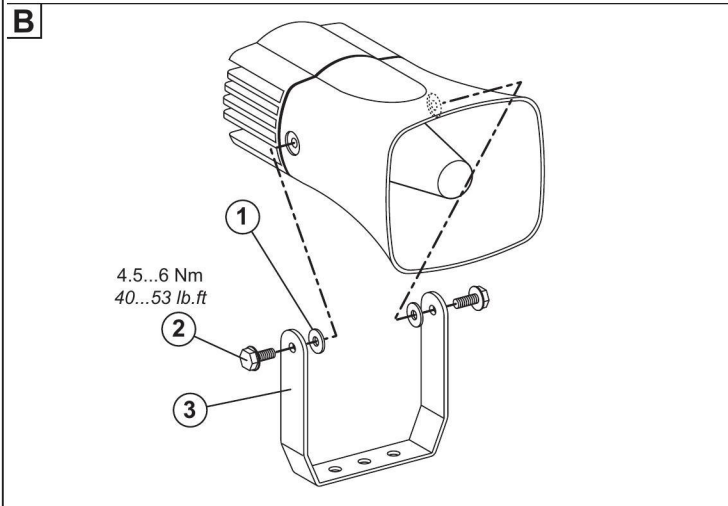
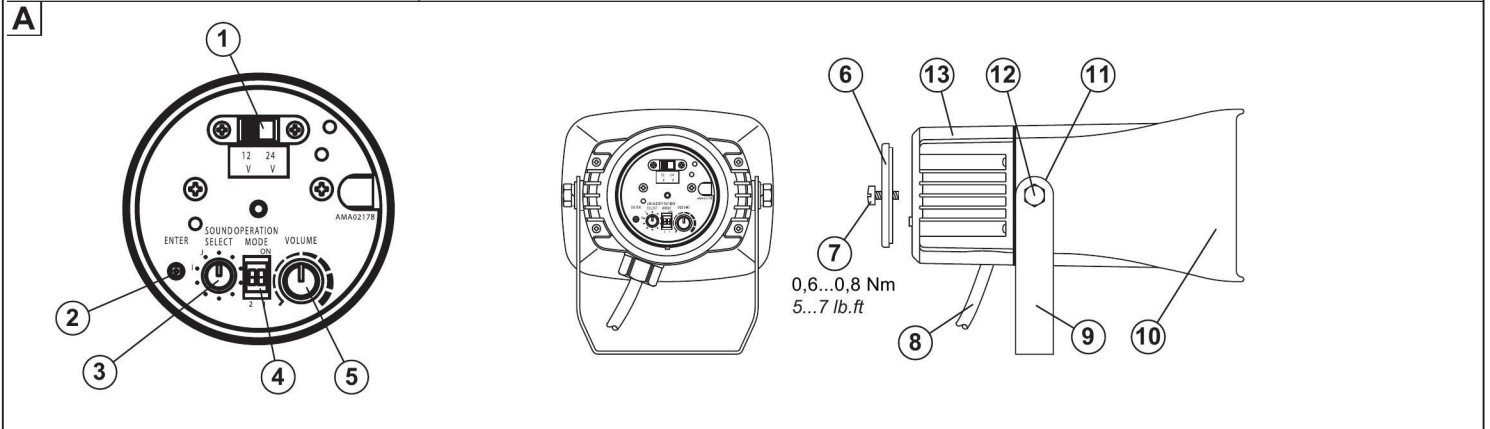
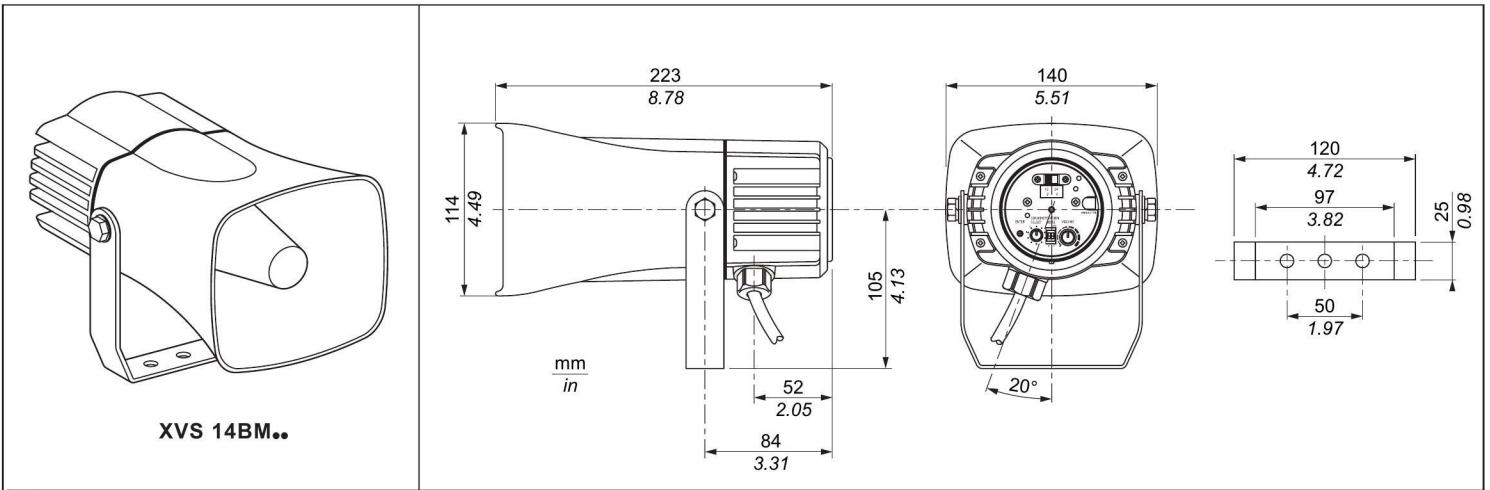
By selecting sound group "J", the option of selecting the sounds from Group A to H can be programmed just by following the flow chart below.



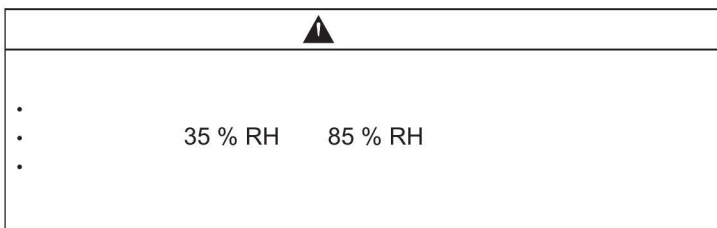
- After pressing the "Enter" button over 1 second, a "Beep" sound will be generated to indicate the registration is completed. For example, if channel 5 was to be registered, the Beep will be heard 5 times, and channel 8 would be sounded 8 times.
- Registration from channel 1 is always priority.
- When the registration is completed up to channel 8, you cannot register any more, and the registered channels will clear if the switch is made from "I" to "J" again.
- When the desired registration is completed, for example, only from channel 1 to 3, the data from channel 1 to 3 is recorded when you change the sound group switch to "I".

G TABLE OF BUILT IN SOUNDS

Binary input mode	Bit input control mode		Sound name	Tone description	Note
	Sound channel	Wire color (Ch. N°)			
	1	Green (1)	Alarm	Alarm (Fire)	
	2	Yellow (2)	Electric Bell	Rapid piercing pulse with break in rhythm	
	3	Brown (3)	Police Siren	European Police siren sound	
	4	Blue (4)	Flicker Sound	High pitched 3 beat ring	
	5	Violet (5)	Siren	Siren (Ambulance)	
	6	Sky-blue (6)	Buzzer	Rapid low pitch buzzer	
	7	Orange (7)	Pulse	Rapid, high pitched fading in and out	
	8	Gray (8)	Pulse	Sharp high pitch	
	9	Green (1)	Alarm	High pitch, fading in and out alarm	
	10	Yellow (2)	Emergency Bell	Rapid vibrating, high pitched buzzer	
	11	Brown (3)	Warning Bell	Steady, high pitched pulse	
	12	Blue (4)	Ping-pong Sound	Slow, high-low long like a doorbell	
	13	Violet (5)	Buzzer Sound	Steady, low pitched	
	14	Sky-blue (6)	Electronic Bell	Rapid, like the Shinkansen platform sound	
	15	Orange (7)	Pinpon Sound	Rapid high-low pulse	
	16	Gray (8)	Car Horn Sound	Long sounding	
	17	Green (1)	Space Invader Sound	Rapid sounding	
	18	Yellow (2)	Timpani Melody	Melody-like sound	
	19	Brown (3)	Ringing Sound	High pitched soft ring	
	20	Blue (4)	Big Ben Chime	Like the Big Ben in London	
	21	Violet (5)	Laser Gun Sound	Pulsating sound	
	22	Sky-blue (6)	Soft Organ-like Sound	Tararara...	
	23	Orange (7)	Cuckoo Bird Sound	Cuckoo-cuckoo...	
	24	Gray (8)	Bush Warbler Bird Sound	Hooohokeyo...	
	25	Green (1)	Railway Crossing	Short burst ringing sound	
	26	Yellow (2)	Laser Gun Sound	Laser sounding pulse	Same as 21
	27	Brown (3)	Melody Sound	Do-re-mi-fa-sol	
	28	Blue (4)	Melody Sound	Do-mi-sol	
	29	Violet (5)	Melody Sound	So-mi-sol-do	
	30	Sky-blue (6)	Melody Sound	Do-fa-sol-do	
	31	Orange (7)	Melody Sound	Do-mi-sol	
	32	Gray (8)	Melody Sound	Do-sol-mi-do	
	33	Green (1)	Alarm (Fire)	Wee-wee-wee...	Same as 1
	34	Yellow (2)	Buzzer Sound	bee-bee-bee...	Same as 13
	35	Brown (3)	Railway Crossing	Short burst ringing sound	Same as 25
	36	Blue (4)	Laser Gun Sound	Pulse sound	Same as 21
	37	Violet (5)	Flicker Sound	High Pitched 3 beat ring	Same as 4
	38	Sky-blue (6)	Electronic Bell	Rapid, piercing with break in rhythm	Same as 2
	39	Orange (7)	Doorbell Sound	Slow, long High-low	Same as 12
	40	Gray (8)	Car Horn Sound	Long pulse	Same as 16
	41	Green (1)	PIPo Sound	Rapid High-low pulse	Same as 15
	42	Yellow (2)	Melody Chime	4 note chime	Same as 20
	43	Brown (3)	Cuckoo Bird Sound	Sound of a Cuckoo bird	Same as 23
	44	Blue (4)	Bush Warbler Sound	Sound of a Bush Warbler	Same as 24
	45	Violet (5)	Alarm	Fading in and out Sound	Same as 9
	46	Sky-blue (6)	Space Invader Sound	Rapid like pulse	Same as 17
	47	Orange (7)	Electronic Bell	Rapid, like the Shinkansen platform sound	Same as 14
	48	Gray (8)	Pulsating Sound	High sharp pitched sound	Same as 8
	49	Green (1)	Do	Single music note	
	50	Yellow (2)	Re	Single music note	
	51	Brown (3)	Mi	Single music note	
	52	Blue (4)	Fa	Single music note	
	53	Violet (5)	Sol	Single music note	
	54	Sky-blue (6)	La	Single music note	
	55	Orange (7)	Si	Single music note	
	56	Gray (8)	Do (One Octave)	Single music note	
	57	Green (1)			
	58	Yellow (2)	0.60 sec. delay	soundless for 0.60 seconds	
	59	Brown (3)	0.90 sec. delay	soundless for 0.90 seconds	
	60	Blue (4)	1.20 sec. delay	soundless for 1.20 seconds	
	61	Violet (5)	La	Single music note (1 Octave Lower)	
	62	Sky-blue (6)	Si	Single music note (1 Octave Lower)	
	63	Orange (7)	Re	Single music note (1 Octave Higher)	
		Gray (8)	Mi	Single music note (1 Octave Higher)	
		Green (1)	Optional Registration (Channel 1)		
		Yellow (2)	Optional Registration (Channel 2)		
		Brown (3)	Optional Registration (Channel 3)		
		Blue (4)	Optional Registration (Channel 4)		
		Violet (5)	Optional Registration (Channel 5)		
		Sky-blue (6)	Optional Registration (Channel 6)		
		Orange (7)	Optional Registration (Channel 7)		
		Gray (8)	Optional Registration (Channel 8)		
			Registration Mode-Set the switch to "J" to record the sounds of your choice, then select the "I" position to play them back.		

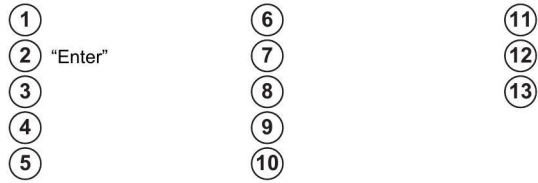


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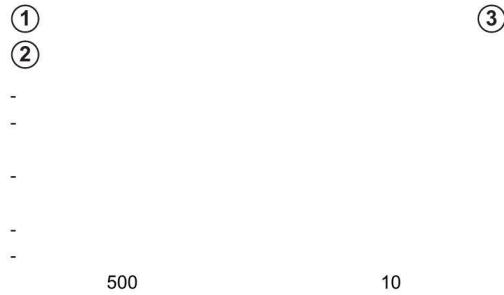


CS

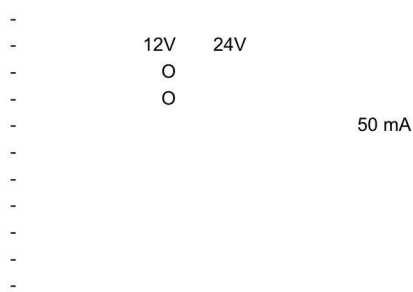
A



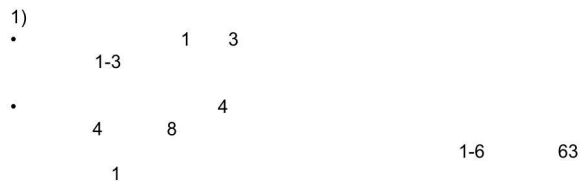
B



C



D



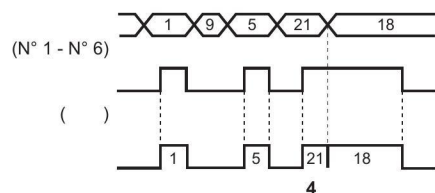
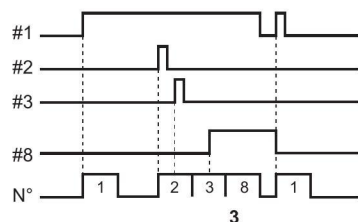
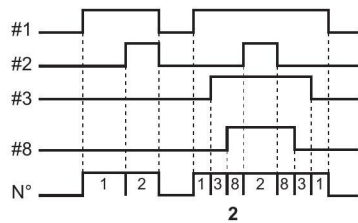
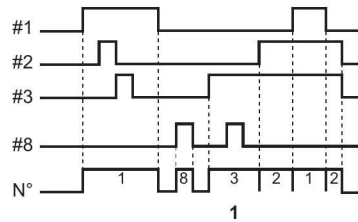
1 -

	N° 6	N° 5	N° 4	N° 3	N° 2	N° 1
—						
1					●	●
2					●	
3					●	●
⋮						
62	●	●	●	●	●	
63	●	●	●	●	●	●



2 -

		① ② ③
1.		① ② 8 ③
2.		① ② 8 ③
3.		① ② 8 ③ 3
4.		① ② 63 ③ 6



3)



4)



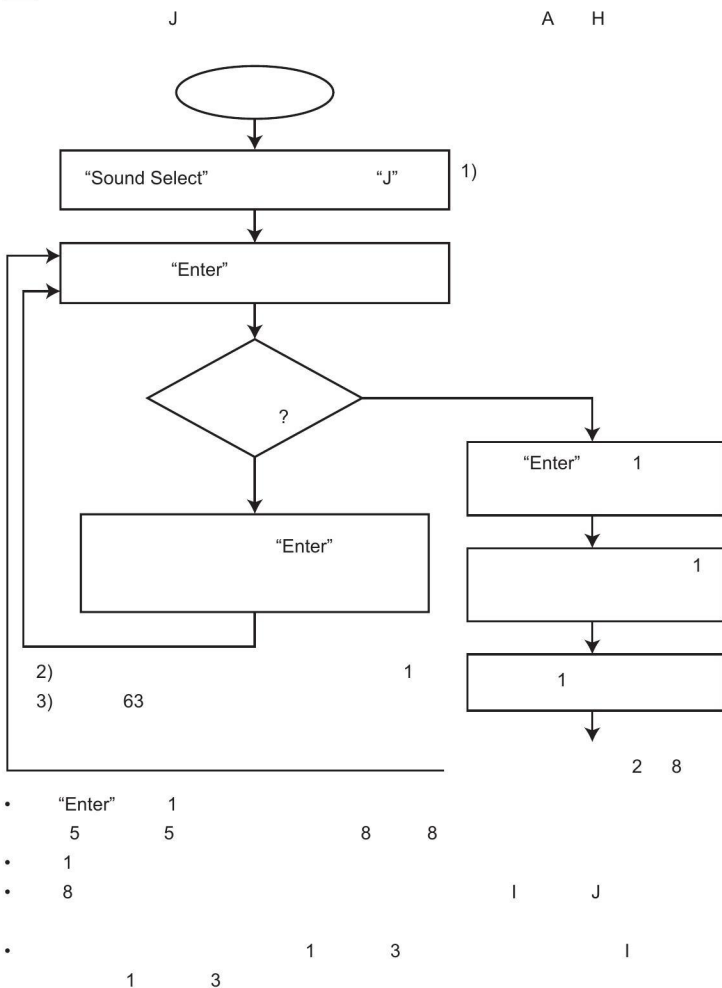
E

XVS 14BMW	
~ 12 V	~ 24 V
10...15 V	19...29 V
350 mA	400 mA
2 W	
105 dB (1 m) *	
(1-3) : 8	
Binary input () : 63	
-10...+50 °C / 14...122 °F	
35...85 % RH ()	
IP53 ()	
()	

*

: 500 / 19.68
 : VCTF-1 1C (Ø8.5 / Ø0.34)
 : UL1007 AWG20
 : UL1007 AWG22

F



G

	(Ch. N°)		
1	(1)		
2	(2)		
3	(3)		
4	(4)	3	
5	(5)		
6	(6)		
7	(7)		
8	(8)		
9	(1)		
10	(2)		
11	(3)		
12	(4)		
13	(5)		
14	(6)		
15	(7)		
16	(8)		
17	(1)		
18	(2)		
19	(3)		
20	(4)		
21	(5)		
22	(6)	Tararara...	
23	(7)	
24	(8)	Hooohookeyyo...	
25	(1)		
26	(2)		21
27	(3)	Do-re-mi-fa-sol	
28	(4)	Do-mi-sol	
29	(5)	So-mi-sol-do	
30	(6)	Do-fa-sol-do	
31	(7)	Do-mi-sol	
32	(8)	Do-sol-mi-do	
33	(1)	Wee-wee-wee...	1
34	(2)	bee-bee-bee...	13
35	(3)		25
36	(4)		21
37	(5)	3	4
38	(6)		2
39	(7)		12
40	(8)		16
41	(1)	PiPo	15
42	(2)		20
43	(3)		23
44	(4)		24
45	(5)		9
46	(6)		17
47	(7)		14
48	(8)		8
49	(1)	Do	
50	(2)	Re	
51	(3)	Mi	
52	(4)	Fa	
53	(5)	Sol	
54	(6)	La	
55	(7)	Si	
56	(8)	Do ()	
57	(1)		
58	(2)	0.60	0.60
59	(3)	0.90	0.90
60	(4)	1.20	1.20
61	(5)	La (1)	
62	(6)	Si (1)	
63	(7)	Re (1)	
	(8)	Mi (1)	
	(1)	(1)	
	(2)	(2)	
	(3)	(3)	
	(4)	(4)	
	(5)	(5)	
	(6)	(6)	
	(7)	(7)	
	(8)	(8)	
		I	J