



Applications

Suitable for engineering machinery (mobile cranes, crawler cranes, RTG), port machinery (overhead cranes, gantry cranes) and material conveyor equipment (belt conveyor)

Features

- Superior sealing for excellent waterproof and dustproof performance
- Super bright RGB, and a lone lifetime of more than 100,000h
- PC cover provides excellent impact resistance and heat stability and glossiness
- Special integrated chip design to ensure strong EMC antiinterference ability
- Industrial microchip design, multi-tones in one fixture for wide applications

Specifications

Electrical		Mechanical	
Operating Voltage	18-40VDC/100-240VAC	Housing material	PC/ABS/Red•
Frequency	50Hz/60Hz	Cover material	PC
Power	<45W	Cover color	Transparent
Tone	Built-in 32 Tones	IP rate	IEC60529 IP65
Single/Dual voice	Micro USB	Operating temperature	Ta-30℃~+55℃
Alarm mode	Audible visible synchronized/ Audible visible separated	Operating humidity	10%~95%RH
Sound level	120dB(max)	Mounting	Wall mount / Wall mount(with bracket) / Floor mount
Light source	LED	Wiring	M20 cable gland(Φ6-12.5)
Color	RGB	Weight	3kg
Lifetime	100,000h		



Mounting dimensions (unit: mm)





Wiring diagram



Note: HVDC220-350V input is acceptable, but polarity switching is required according to the diagram

DIP figure	Display
	Off
	Green
	Blue
	Cyan
	Red(default)
	Yellow
	Scarlet
	White

Luminous color—Table 1



Flash mode—Table 2

DIP figure	Flash Status
	Steady burning
	Continuous flash
	Interval flash
	Rotating(default mode)

Note: Flash setting DIP switch 3 is used for stage 2

Tone/Voice DIP figure — Table 3

	ExSelect1 (NC)	ExSelect1 (C) (note 4)	ExSelect1 (NC)	ExSelect1 (C)
	ExSelect2 (NC)	ExSelect2 (NC)	ExSelect2 (C)	ExSelect2 (C)
ON 1 2 3 4 5 6 7 8	Tone/Voice 1	Tone/Voice 2	Tone/Voice 3	Mute
ON 1 2 3 4 5 6 7 8	Tone/Voice 2	Tone/Voice 3	Tone/Voice 4	Mute
	Tone/Voice 3	Tone/Voice 4	Tone/Voice 5	Mute
	Tone/Voice 4	Tone/Voice 5	Tone/Voice 6	Mute
ON 1 2 3 4 5 6 7 8	Tone/Voice 5	Tone/Voice 6	Tone/Voice 7	Mute
ON 1 2 3 4 5 6 7 8	Tone/Voice 6	Tone/Voice 7	Tone/Voice 8	Mute
32 tones/4 default voices(Dial 6 is for voice/tone selection)	Analogy	Analogy	Analogy	Mute

Note 1: voice download is used by customers who need to modify voice temporarily. Use micro-USB data cable to connect the interface to the computer, and the computer recognizes a "removable disk" (at this time, the original audio files can be copied out). After formatting the removable disk, copy the sound file, "USER_DIR" (MP3 format file) one by one in the order of voice 1, voice 2 and voice 3 required by the customer, and finally pop it up safely on the PC. Note 4: (C) is shorting the interface jumper, (NC) is "disconnect".



Tone selection table — Table 3 (Annex 1)

Tone1	Tone A: Alternate tone British BS58391-1 (fire alarm tone)	1000Hz 0.5s 800Hz 0.5s
Tone 2	Tone B: Fire alarm tone	1200Hz 0.25s 500Hz
Tone 3	Tone E: Fire alarm tone	1200Hz 3s 500Hz
Tone 4	Tone D: Intermittent tone PFEER (general alarm) British BS5839-1 (alternate alarm)	1000Hz 0.5s 0.5s
Tone 5	Tone Y: Continuous tone	800HZ — — —
Tone 6	Electric flute: Continuous tone	700HZ ———————————————————————————————————
Tone 7	Engineering sound: Intermittent tone	800Hz 0.25s 0.25s
Tone 8	7 short and 1 long: Intermittent tone	1100Hz 0.5s 0.5s 0.5s 2.5s 0.5s
Tone 9	Doorbell: Alternate tone	1250Hz 0.3s 1000Hz 0.88s 1s
Tone 10	Ship fire alarm: Fire alarm tone	600Hz 5s 200Hz 5s
Tone 11	Telephone bell: Alternate tone	1200Hz 70ms 1000Hz 70ms
Tone 12	European alarm: Fire alarm tone	1000Hz 0.265 800Hz
Tone 13	Serrated DIN Tone: 33404-3 Germany (emergency signal) PFEER PTAP/EN54-3	1200Hz 1s 500Hz
Tone 14	Slow sound: Fire alarm sound UK BS5839-1	970Hz 1s 800Hz
Tone 15	Fire alarm tone: (medium) UK BS5839-1	1000Hz 0.5s 800Hz
Tone 16	Sound L: Fire alarm tone	2500Hz 3.5ms 1300Hz
Tone 17	Slow sound: Netherlands NEN 2575 (Evacuation Alarm Sound) / EN54-3	1200Hz 3.5s 800Hz 0.5s
Tone 18	Alternate tone: France NFS 32-001 (fire alarm)	554Hz 0.1s 440Hz <u>0.4s</u>
Tone 19	Alternate tone: British BS5839-1 (fire alarm, railway fork)	1000Hz 0.25s



Tone 20	Intermittent tone: German industrial alarm tone	680Hz 0.875s 0.875s
Tone 21	Whistle: German industrial alarm tone	1000Hz 40s 10s 10s 150Hz 10s
Tone 22	Continuous tone: EN54-3	825HZ
Tone 23	Intermittent tone: Australia AS2220, AS1610, AS1670	420Hz 0.625s 0.625s
Tone 24	Intermittent tone: Germany KTA3901 (Evacuation Alarm Sound)	500Hz
Tone 25	Fire alarm tone: Finland (general alarm tone)	1500Hz 7s 500Hz 7s
Tone 26	Continuous tone: PFEER gas alarm	1200HZ
Tone 27	Alternate tone: British BS5839-1 (fire alarm, increased urgency - railway intersection)	1000Hz 0.125s 800Hz 0 <u>.125s</u>
Tone 28	Intermittent tone: Sweden SS031711 (emergency signal)	660Hz 0.15s 0.15s
Tone 29	Intermittent tone: Sweden SS031711 (air attack warning)	660Hz
Tone 30	Slow sound: NFPA US fire evacuation alarm tone	775Hz 0.85s 422Hz 1s
Tone 31	Fire alarm tone: (fast) UK BS5839-1	1000Hz 70ms 800Hz
Tone 32	Continuous tone: Germany KTS3901 (danger release signal)	500HZ

Voice selection table 3 (Annex 2)

Voice 1	Caution please, watch for moving massive vehicles(available customized voice)
Voice 2	Caution please, someone is entering(available customized voice)
Voice 3	This is a restricted area, please(available customized voice)
Voice 4	Caution please, crane in operation(available customized voice)
•••••	Available customized voice

Note 2: Volume adjustment method

To increase the volume, use a flathead screwdriver and rotate the knob in a clockwise direction. (the default volume plays at max sound) Note 3: Voice content is in Chinese



Wiring diagram :



Installation and operation

- Position the alarm horn horizontally and secure it on a sturdy and smooth mounting surface
- Wall mount: Use 4 M8 bolts, washers, spring washers and nuts to fix the mounting surface.
- Wall mount(with bracket): Take out the two brackets in the box, fix the bracket to the alarm as shown below, and then fix the alarm to the mounting surface.
- Floor mount: Remove the 4 nuts, spring washers and flat washers at the red rubber feet, fix the alarm to the mounting surface, and fix the alarm with the removed fasteners.
- Unscrew the 4 screws that secure the top cover and remove the top cover to expose the terminal block.
- Connect the power control cable from the M20 stuffing box and connect the power control cable correctly
 according to the wiring diagram.
- Check that the power supply and the alarm's rated voltage match, and check that the power cord is connected properly before power on.
- Adjust the DIP switch to select different tones/voices. For the tone selection, refer to "Tone/Voice Selection Table".
- Insert the 4 silicone plugs into the screw slots on the top cover.





Wall mount(with bracket)

1.Bolt M8X45 2. Spring padΦ8 3. Bracket 4. Nut M8 5. Red rubber feet 6. Screw ST4.2X9.5 7. Bolt M8X35

Notice:

1. The product adopts PC material parts and cannot be directly or indirectly contacted with organic solvents such as industrial alcohol, banana water, isopropanol, carbon tetrachloride or cyclohexanone, otherwise it will be cracked by corrosion. 2. Do not install the bell mouth up to avoid water accumulation.

3. Please be careful not to touch the power terminal to avoid electric shock for any adjustments.

4. Please read the instructions carefully, and if you have any questions, please contact us.

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