



BC-8

BC-8A

Products description and application

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Special design for all kinds of engineering machinery (mobile crane, crawler crane, overhead travelling crane, etc.), Port machinery (gantry crane, bridge crane, etc.), Plant (Electronic cabinet), Metallurgies, Chemical industry, Mines and Marine etc.

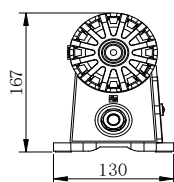
Features

- Die casting aluminum enclosure, providing good appearance, light weight and corrosion resistance.
- Sealed structure design, dustproof and waterproof.
- Super bright LED technology, lifespan up to 100,000 hours.
- Fresnel PC lens provides excellent impact resisting strength, thermal stability and gloss.
- Professional integrated circuit design provides strong anti-EMI capability.
- Various tones/voices and adjustable volume for option

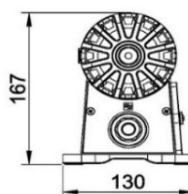
Specifications

Rated voltage	AC36V/DC12~48V/AC110V/AC220V/ AC380V		
AC Frequency	50Hz ~ 60Hz	Rated power consumption	<16W
Tone	16 kinds of Tones	Voice	16 kinds of Tones
Sound level	116dB(max)	Volume adjustable	Yes
Color	Red, Yellow	Alarm mode	Audible visible synchronized / Audible visible separated
Operating temperature	-40°C ~ +55°C	IP rate	IP65
Ambient humidity	10% ~ 95% (non-condensing)	Weight	3.0Kg
Enclosure material	Aluminum alloy	Lens material	PC

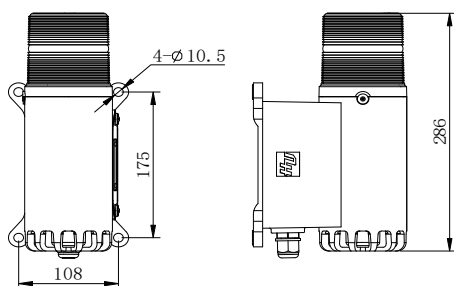
Installation Dimension (Unit: mm)



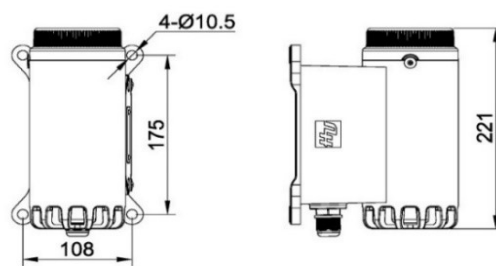
Available cable glands and cable outer diameter requirements:
M20 cable gland : cable outer diameter (Ø7-Ø12)
M25 cable gland : cable outer diameter (Ø9-Ø14)
G3/4 cable gland : cable outer diameter (Ø13-Ø18)



BC-8A has only red color appearance version and is a cropped version of BC-8, it has no visible alarm function, its audible alarm function is the same as that of BC-8, it has single/dual



BC-8 Installation Dimension



BC-8A Installation Dimension

Audible Visual Alarm



Operating Mode and Wiring diagram

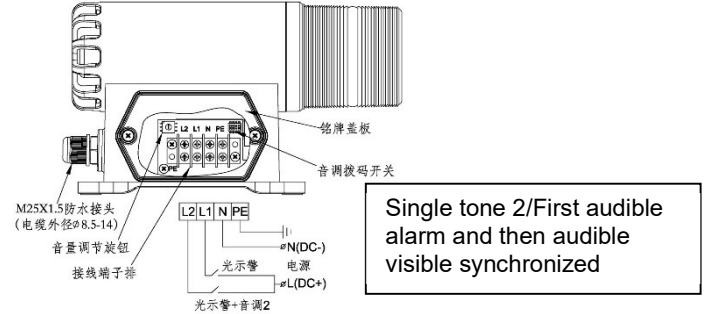
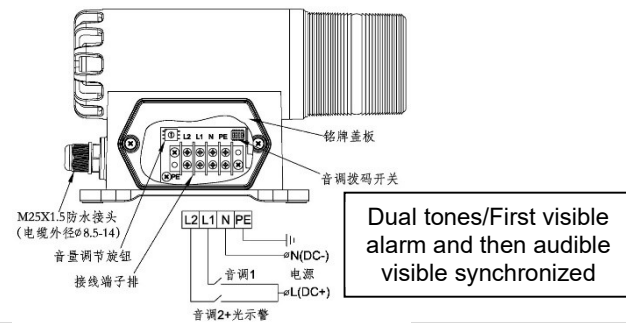
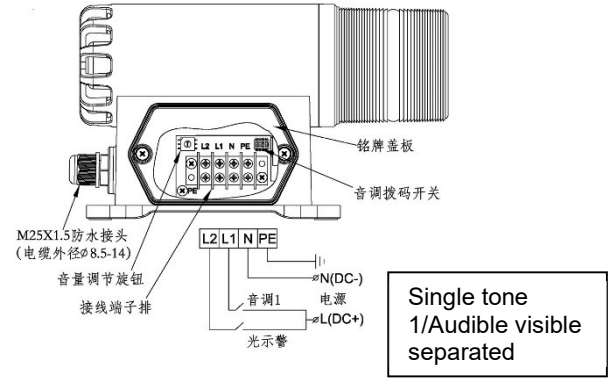
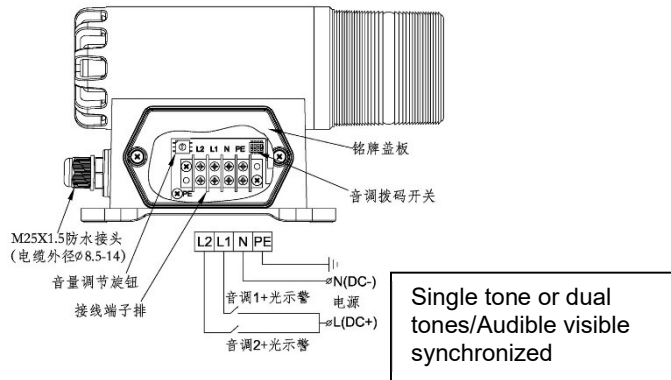
DIP Value	Mode	Operating Mode Instruction
	Mode 0	Single tone or dual tones/Audible visible synchronized,L1 for one kind of tone(tone1),L2 for one kind of tone(tone 2),audible alarm and visible alarm at the same time after power on.
	Mode 1	Single tone or dual tones/Audible visible synchronized, L1 for one kind of tone(tone 1),L2 for one kind of tone(tone 2),audible alarm and visible alarm at the same time after power on.
	Mode 2	Dual tones/First audible alarm and then audible visible synchronized,electrification of L1 is for tone 1,electrification of L2 is for audible alarm and visible alarm at the same time(tone2)
	Mode 3	Single tone 2/first visible alarm and then audible visible synchronized,electrification of L1 is for visible alarm,electrification of L2 is for audible alarm and visible alarm at the same time(tone2)

Note 1: The priority of L2 is greater than L1, and simultaneous electrification of L1 and L2 is not recommended. In case of simultaneous electrification of L1 and L2, the electrification of L2 shall prevail.

Note 2: In single tone, audible visible synchronized mode, it is recommended to connect only L1, L2 is not connected.

Note 3: The working mode is customized from the factory. It is not recommended for customers to open the cover and modify by themselves.

Note 4: In case of wide voltage supply, dual tone function of mode 1/ mode 2/ mode 3 and mode 0 is not supported, only single tone function is supported.

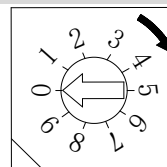


Installation and operation

- Speaker faces downward and install the product vertically, fix product to mount face by using four nos. M8 screws(not provided), ensure mount face is flat and has enough mechanical strength.
- Loosen two screws from nameplate, remove the nameplate, then you can see terminal blocks.
- Insert the cable through product cable gland, correctly connect power line and control line to terminals according to the indication tags on wires.
- Ensure that the input voltage is correct, and ensure cable connection is correct before power on.
- See tone/voice selection table and adjust the DIP switch to select different tones/voices.
- Lens material is polycarbonate, not allowed to direct or indirect contact with industrial spirit, banana oil, isopropanol, carbon tetrachloride, cyclohexanone, etc. organic solvent.

Volume adjustment

- Clockwise turn volume adjustable potentiometer to increase product volume (diagram is provide on the right), minimum volume at "position 0" , maximum volume at "position 7/8/9" , total 8 levels of volume adjustment.



Audible Visual Alarm



DIP Value	L1 tone table		L2 tone table (Dual tone function must be selected before it works.)	
	16 kinds of tones L1	Sound wave(L1)	16 kinds of tones L2	Sound wave(L2)
	Tone A: Alternating tone, UK BS5839-1 (fire alarm)		Slow whoop, evacuation alarm Netherlands NEN 2575	
	Tone B: Interrupted tone, PFEER (general alarm), UK BS5839-1 (back-up alarm)		Alternating tone, France NFS 32-001 (fire alarm)	
	Tone E: Continuous tone		Alternating tone, UK BS5839-1 (fire alarm, railway crossing)	
	Tone D: Intermittent tone PFEER (General Alarm) British BS5839-1 (Standby Alarm)		Interrupted tone, industrial alarm Germany	
	Tone Y: Continuous tone		Siren, industrial alarm Germany	
	Siren: Continuous tone		Continuous tone: EN54-3	
	Engineering sound: Intermittent tone		Interrupted tone, Australia AS2220, AS1610, AS1670	
	Long PI after 7 short PI: Intermittent tone		Interrupted tone, Germany KTA3901(evacuation alarm)	
	Doorbell: Alternating tone		Sweeping, general alarm Finland	
	Ship fire alarm: Fire alarm tone		Continuous tone	
	Telephone ring: Alternating tone		Alternating tone, UK BS5839-1 (fire alarm, increased urgency – railway crossing)	
	European alarm: Fire alarm tone		Interrupted tone, Sweden SS031711 (emergency signal)	
	Sawtooth, DIN tone 33404-3 Germany (emergency signal), PFEER PTAP		Interrupted tone, Sweden SS031711 (air raid warning)	
	Slow whoop, fire alarm, UK BS5839-1		Slow whoop, NFPA	
	Sweeping (medium), UK BS5839-1		Sweeping (fast), UK BS5839-1	
	Tone L: Fire alarm tone		Continuous tone, Germany KTA3901 (all-clear signal)	

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Read and understand these instructions completely and carefully. Wrong installation and operation may lead to fires, electric shock, and others. Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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