Features

Piezo buzzer
- Selectable continuous/intermittent sound, sound pressure: approx. 98±8dB (0.1m)
- Flashes green or red LED during operating buzzer
- Mounting hole: Ø22/25mm, max. panel thickness: 6mm
- IP65 protection structure (front panel)

Magnetic buzzer
- Strong bass sound, selectable continuous/intermittent sound, sound pressure: approx. 87±10dB (0.1m)
- Flashes green or red LED during operating buzzer
- Mounting hole: Ø22/25mm, max. panel thickness: 6mm
- IP30 protection structure (front panel)

Melody buzzer
- Selectable melody among 4 types and adjustable sound pressure, sound pressure: approx. 105dB (0.1m)
- Flashes red LED during operating buzzer
- Mounting hole: Ø66mm
- IP65 protection structure (front panel)
- One-touch screwless connection with end sleeve (ferrule) crimp terminal

Please read "Safety Considerations" in operation manual before using this unit.

Piezo buzzer

Magnetic buzzer

Melody buzzer

Specifications

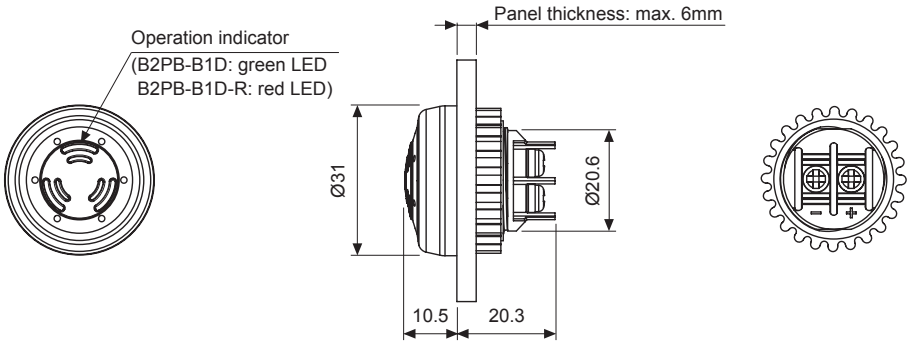
Items		Piezo buzzer		Magnetic buzzer		Melody buzzer	
Model		B2PB-B1D	B2PB-B1D-R	B2NB-B1D	B2NB-B1D-R	B6MA-4GD□※1	B6MA-4GL□※1
Power supply		12-24VDC⎓				12-24VDC⎓	110-220VAC～ 50/60Hz
Power consumption		Max. 0.6W		Max. 1.5W		Max. 3W	Max. 5VA
Sound pressure		Approx. 98±8dB (0.1m)※2		Approx. 87±10dB (0.1m)※2		Max. 105±10%dB (0.1m), max. 95±10%dB (1m)	
Sound type		Continuous sound, intermittent sound				4 types (ambulance, police, ringtone, for elise)	
Mounting hole		Ø22/25mm compat ble				Ø66mm	
Operation indicator		Green LED	Red LED	Green LED	Red LED	Red LED	
Insulation resistance		Over 1,000MΩ (at 500VDC megger)		Over 50MΩ (at 500VDC megger)		Over 1,000MΩ (between all terminals and case at 500VDC megger)	
Dielectric strength		500VAC 50/60Hz for 1 min (between all terminals and case)		1,000VAC 50/60Hz for 1 min (between all terminals and case)		500VAC 50/60Hz for 1 min (between all terminals and case)	2,000VAC 50/60Hz for 1 min (between all terminals and case)
V bration		0.75mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 1 hour				0.75mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 2 hours	
Shock		500m/s^2 (approx. 50G) in each X, Y, Z direction for 3 times					
Environ-ment	Ambient temperature	-15 to 55℃, storage: -25 to 65℃				-10 to 55℃, storage: -20 to 65℃	
	Ambient humidity	35 to 85%RH, storage: 35 to 85%RH					
Protection structure		IP65 (front panel)		IP30 (front panel)		IP65 (front panel)	
Material	Body	Polyamide 6				Polycarbonate	
	Cap	Polycarbonate				Polycarbonate	
Tightening torque		4.08 to 6.12kgf·cm (0.4 to 0.6N·m)					
Approval		CE					
Weight		Approx. 305g (approx. 18g)※4		Approx. 214g (approx. 14g)※4		Approx. 170g (approx. 130g)※5	

※1. □ indicates input type: N (NPN open collector input), P (PNP open collector input)
※2. It is rated at power supply 24VDC. (Sound pressure may be decreased when using 12VDC.)
※4. The weight is for 10 units including packaging. The weight in parenthesis is for a single unit.
※5. The weight includes packaging. The weight in parenthesis is for unit only.
※Environment resistance is rated at no freezing or condensation.

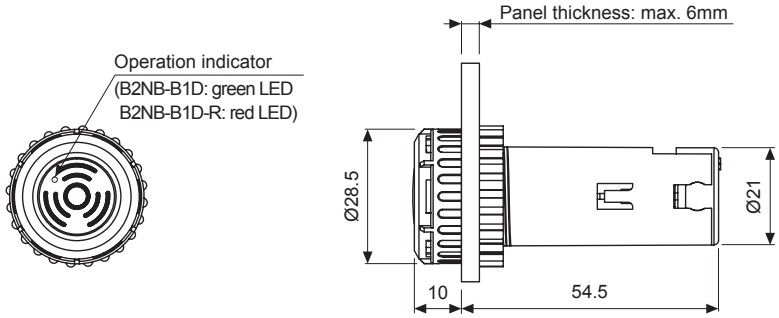
Dimensions

(unit: mm)

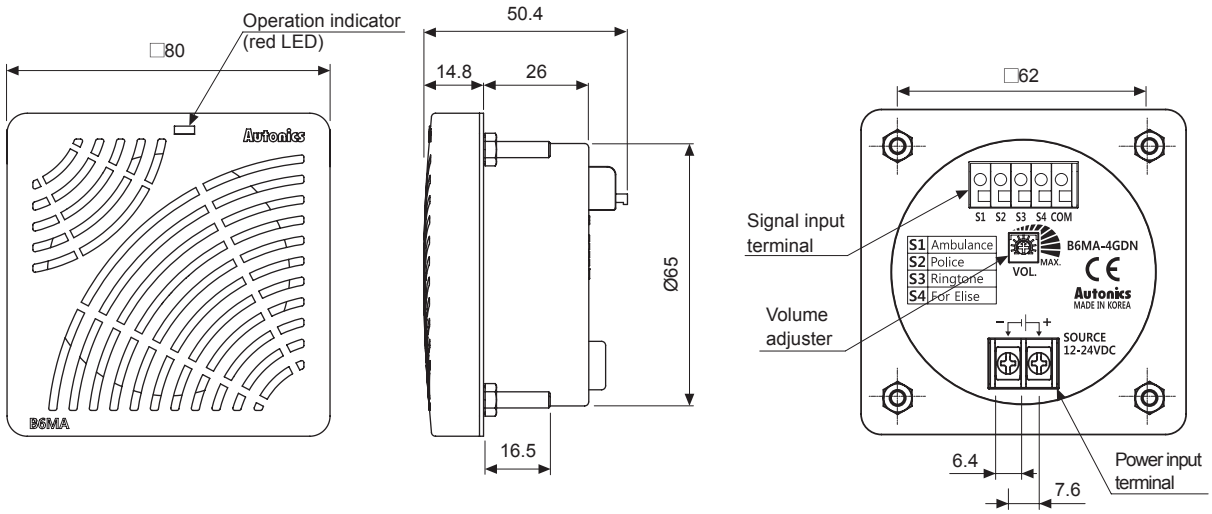
Piezo buzzer



Magnetic buzzer



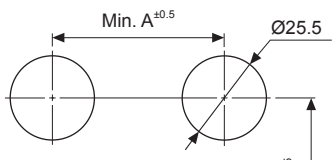
Melody buzzer



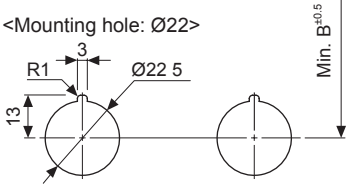
Panel cut-out dimensions

Piezo buzzer/Magnetic buzzer

<Mounting hole: Ø25>

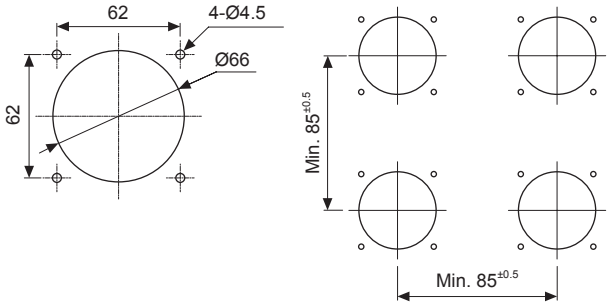


<Mounting hole: Ø22>



Item	A	B
Piezo buzzer	50	50
Magnetic buzzer	50	50

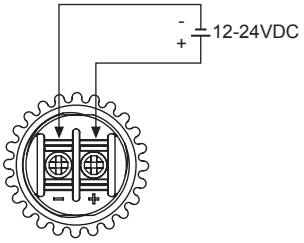
Melody buzzer



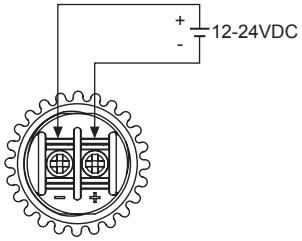
Setting Buzzer Type

Piezo buzzer

1. Continuous sound

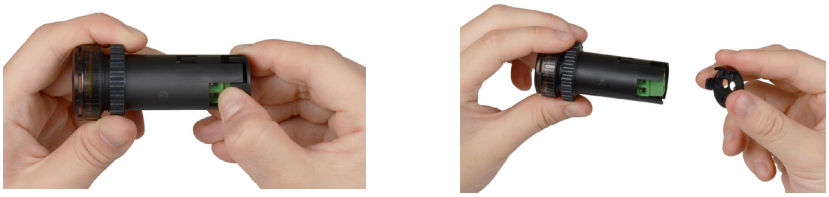


2. Intermittent sound



Magnetic buzzer

1. Remove the bottom cover from the buzzer.

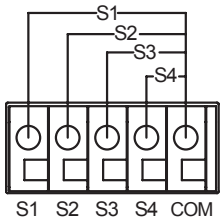


2. Remove the jumper pin using a flat-head (-) screwdriver.

※Buzzer type: continuous sound: beep————,
intermittent sound: beep-, beep-
Jumper pin attached: intermittent sound
Jumper pin removed: continuous sound

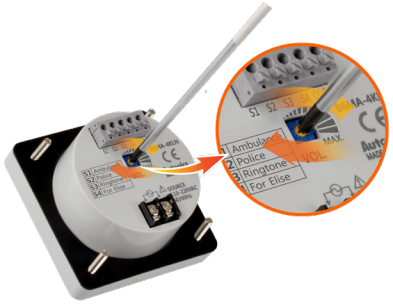
Melody buzzer

Connect the COM terminal and the desired melody terminal with end sleeve (ferrule) crimp terminal.



No.	Terminals	Melody type
1	COM-S1	Ambulance
2	COM-S2	Police
3	COM-S3	Ringtone
4	COM-S4	For elise

※Easy adjustment of the melody volume
with a cross-head (+) screwdriver



※Convenient wiring: one-touch screwless connection
with end sleeve (ferrule) crimp terminal

Control Sw tches
Ø16
Ø22/25
Ø30
□30
Push Button Switches
Round
Square
Rectangular
Selector Switches
Round
Square
Rectangular
Key Selector Switches
Round
Square
Rectangular
Double Push Button Switches
Mushroom head Push Button Switches
Emergency Switches
Pilot Lights
Accessories
Buzzers

Autonics