

16mm Diameter Panel-Mounted Unit

- Four models offer eight different types of sounds.
- Intermittent or continuous sound selected by jumper setting.
- Two supply voltages: 6 VAC/DC and 12 to 24 VAC/DC.
- Jumper storage provided at bottom of unit.
- Complements the A3G range of pushbuttons, selector switches and keyswitches.



Ordering Information

Sound	w/jumper	Intermittent	Intermittent (short)	Intermittent (high-pitched)	Intermittent (short, high-pitched)
	w/o jumper	Continuous	Intermittent (long)	Continuous (high-pitched)	Intermittent (long, high-pitched)
Supply Voltage	6 VAC/DC	M2BJ-B06	M2BJ-B06A	M2BJ-B06B	M2BJ-B06C
	12 TO 24 VAC/DC	M2BJ-B24	M2BJ-B24A	M2BJ-B24B	M2BJ-B24C

Specifications

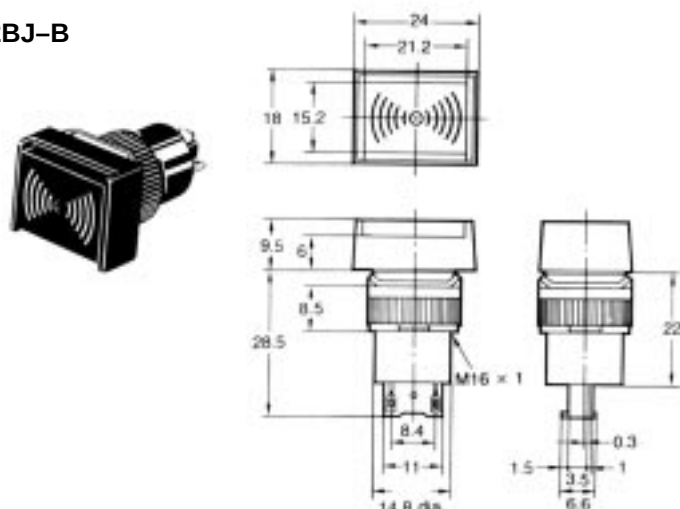
Rated Voltage	6 VAC/DC	M2BJ-B06	M2BJ-B06A	M2BJ-B06B	M2BJ-B06C
	12 TO 24 VAC/DC	M2BJ-B24	M2BJ-B24A	M2BJ-B24B	M2BJ-B24C
Sound pressure (distance: 0.1 m, at rated voltage)		Continuous sound: 80 dB (phons) min.	Continuous: 80 dB (phons) min.	Continuous sound: 80 dB (phons) min.	Continuous: 80 dB (phons) min.
Driving frequency		2 ± 0.5 k Hz	2 ± 0.5 k Hz	4 ± 0.5 k Hz	4 ± 0.5 k Hz
Intervals		190 times/minute ± 10%	Long: 55 times/minute ± 10% Short: 700 times/minute ± 10%	190 times/minute ± 10%	Long: 55 times/minute ± 10% Short: 700 times/minute ± 10%
Current consumption	DC	7 mA	7 mA	20 mA	20 mA
	AC	20 mA	20 mA	20 mA	20 mA
Life expectancy		1,000 hours min.			

■ Characteristics

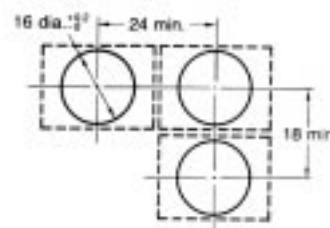
Insulation resistance	100 MΩ min. (between ground and current-carrying parts)
Dielectric strength	1,000 VAC for 1 min (between grounds)
Ambient temperature	Operating: -10°C to 55°C Storage: -25°C to 65°C
Humidity	25% to 85% RH

Dimensions

M2BJ-B



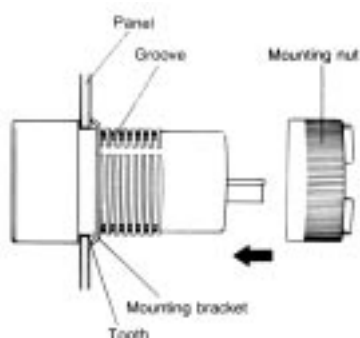
Panel cutout (top view)



Hints on Correct Use

Nut mounting

- Insert the buzzer unit from the front of the panel and tighten the mounting nut inserted from the rear of the panel.
- Since a projection exists on the rear portion of the buzzer unit, if the mounting nut cannot be fitted into position, turn the nut slightly.
- The tightening torque of the mounting nut should be less than 5 kg-cm.
- Solder the terminals after mounting the nut. Otherwise, the terminals, when thickened by solder, may prevent the nut from being screwed down onto the buzzer unit.

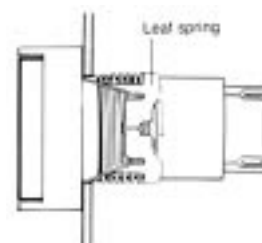


Snap-in mounting

- Attach the mounting leaf spring to the buzzer. Engage the edges of the leaf spring in the two grooves on the threaded section of the buzzer. After inserting the leaf spring edges into the grooves, confirm that the leaf spring has seated. Be sure to attach both leaf springs.

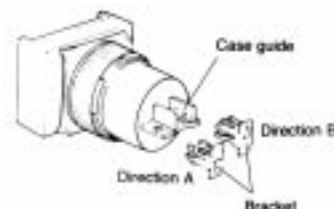


- Insert the buzzer assembly into the hole on the mounting panel from the front.

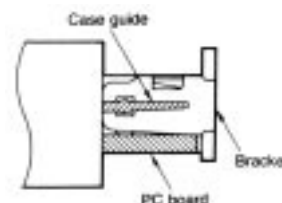


Short-circuiting jumper

- The buzzer sounds continuously or intermittently depending on how the short-circuiting bracket is attached to the case guide. When the bracket is attached with the triangle on it facing direction A (PC board side), the buzzer sounds intermittently.



- To create continuous sounds, attach the bracket on the case guide so that the triangle on the bracket faces direction B.



Mounting

- Tighten the mounting nut at a torque of less than 5 kg-cm.

Wiring

- Exercise caution that the input terminals are not short circuited by the short-circuiting jumper.
- Finish soldering within 5 seconds with a 30 watt soldering iron, or within 3 seconds at a solder temperature of 240° C. For about a minute after soldering, do not apply any force to the buzzer unit, to avoid deforming the softened plastic buzzer unit base.
- Use a non-corrosive, resin based soldering flux.