Autonics

Melody Buzzer B6MA SERIES

INSTRUCTION MANUAL





Thank you for choosing our Autonics product. Please read the following safety considerations before use.

Safety Considerations

XPlease observe all safety considerations for safe and proper product operation to avoid hazards.

★▲ symbol represents caution due to special circumstances in which hazards may occur.

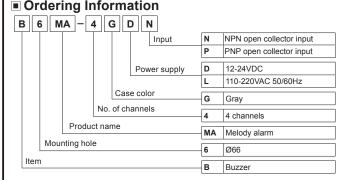
▲ Warning Failure to follow these instructions may result in serious injury or death.

▲ Caution Failure to follow these instructions may result in personal injury or product damage.

- 1. Fail-safe device must be installed when using the unit with machinery that may cause serious injury or substantial economic loss. (e.g. nuclear power control, medical equipment, ships, vehicles, railways, aircraft, combustion apparatus, safety equipment, crime/disaster prevention devices, etc.)
- Failure to follow this instruction may result in fire, personal injury, or economic loss.
- 2. Do not disassemble or modify the unit.
- Failure to follow this instruction may result in fire. 3. Do not use the unit close to the ear.
- Failure to follow this instruction may result in personal injury.

△ Caution

- 1. Do not use the unit outdoors.
- Failure to follow this instruction may result in shorten the life cycle of the unit
- 2. Use the unit within the rated specifications.
- Failure to follow this instruction may result in fire or product damage.
- 3. When connecting the power input, use AWG 26-16 (0.30 to 1.25mm²)cable and tighten the terminal screw with a tightening torque of 0.4 to 0.6N·m.
- Failure to follow this instruction may result in fire or malfunction due to contact failure.
- 4. Use dry cloth to clean the unit, and do not use water or organic solvent.
- Failure to follow this instruction may result in electric shock or fire.
- 5. Do not use the unit in the place where flammable/explosive/corrosive gas, high humidity. direct sunlight, radiant heat, vibration, impact, or salinity may be present. Failure to follow this instruction may result in fire or explosion



- *The above specifications are subject to change and some models may be discontinued without notice
- *Be sure to follow cautions written in the instruction manual and the technical descriptions (catalog, homepage).

Specifications

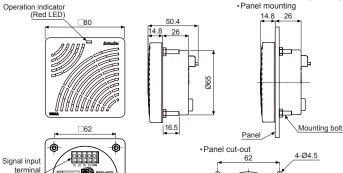
	•				
Model		B6MA-4GD□	B6MA-4GL		
Power supply		12-24VDC	110-220VAC∼ 50/60Hz		
Allow	able voltage range	90 to 110% of rated voltage			
Powe	r consumption	Max. 3W Max. 5VA			
Input	type	NPN open collector, PNP open collector			
Soun	d pressure	Max. 105±10%dB (0.1m), Max. 95dB±10% (1m)			
No. o	f channels	4 channels			
Meloc	dy type	Terminal input: 4 types (ambulance,	police, ringtone, for elise)		
Insula	ation resistance	Min. 1,000MΩ (at 500VDC megger between all terminals and case)			
Diele	ctric strength		2000VAC 50/60Hz for 1 min. (between all terminals and case)		
Vibrat	tion	0.75mm amplitude at frequency of 10 to 55Hz (for 1 min.) in each of X, Y, Z directions for 2 hours			
Shock		500m/s2 (approx. 50G) in each X, Y, Z direction for 3 times			
Environ	Ambient temperature	-10 to 55°C, storage: -20 to 65°C			
Environ ment Ambient temperature -10 to 55°C, storage: -20 to 6 Ambient humidity 35 to 85%RH, storage: 35 to	35 to 85%RH, storage: 35 to 85%RH	1			
Prote	ction	IP65 (front, IEC standards)			
Material		PC			
	v tightening torque for r input terminals	0.4 to 0.6N·m			
Nut tightening torque for panel mounting		0.7 to 0.8N·m			
Accessory		Flat washers: 4, Spring washers: 4, Hex nuts: 4			
Approval		CE			
Weigl	ht ^{*1}	Approx. 170g (approx. 130g)			

X1: The weight includes packaging. The weight in parentheses is for unit only. XEnvironment resistance is rated at no freezing or condensation.

Power input

\ terminal

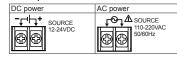
Dimensions



Connections

adjuster

· Power input terminal



Signal input terminal					
NPN open collector inpu	ut	PNP open collector input			
Non-contact input	Contact input	Non-contact input Contact	input		
* * * *		***			
S1 S2 S3 S4 COM	S1 S2 S3 S4 COM	S1 S2 S3 S4 COM S1 S2 S3	S4 COM		

XDo not supply the power to the signal input terminals. Failure to follow this instruction may result in input circuit damage or malfunction of the unit.

How To Select Melody Type

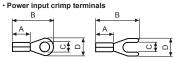


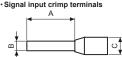
	No.	Terminals	Melody type
	1	COM-S1	Ambulance
	2	COM-S2	Police
	3	COM-S3	Ringtone
	4	COM-S4	For Elise

Connect the COM terminal and the desired melody type terminal using the crimp

XYou may sample the melodies at www.autonics.com.

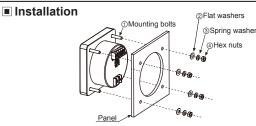
Applicable Crimp Terminals





(unit: mm)

		Α	В	С	D	Applicable wires
Power input crimp terminal	Forked	Min. 4.1	Max. 16.0	Min. 3.0	Max. 5.9	AWG 22-16 (0.30 to 1.25mm ²)
	Round	Min. 4.1	Max. 16.0	Min. 3.0	Max. 5.9	
input crimp	End Sleeve (Ferrule Terminal) crimp terminal	8.0 to 10.0	Max. 2.0	Max. 4.1	_	



· Assembly sequence

(unit: mm)

Ø66

- 1. Insert the mounting bolts (1) of the unit to the panel mounting holes.
- 2. Assemble the flat washers (2), the spring washers (3), and tighten the hex nuts (4) to fix the unit

Caution During Use

- 1. Follow instructions in Cautions during Use. Otherwise, it may cause unexpected accidents.
- 2. 12-24VDC power supply should be insulated and limited voltage/current or Class 2, SELV power supply device. 3. Keep away from high voltage lines or power lines to prevent inductive noise.
- In case installing power line and input signal line closely, use line filter or varistor at power line and shielded wire at input signal line.
- Do not use near the equipment which generates strong magnetic force or high frequency noise.
- 4. This unit may be used in the following environments. 1 Indoor (in the environment conditions in specifications)
- Altitude max. 2.000m
- 3 Pollution degree 2
- ④ Installation category Ⅱ

Major Products



- Fiber Optic Sensors Temperature/Humidity Transducers ■ Door Sensors SSR/Power Controllers
- Door Side Sensors
- Counters Area Sensors Timers
- Proximity Sensors ■ Panel Meters
- Tachometer/Pulse (Rate)Meters Pressure Sensors
- Display Units Rotary Encoders
- Connector/Sockets Sensor Controllers
- Switching Mode Power Supplies
 Control Switches/Lamps/Buzzers
- I/O Terminal Blocks & Cables
- Stenner Motors/Drivers/Motion Controllers
- Graphic/Logic Panels
- Field Network Devices
- Laser Marking System (Fiber, Co₂, Nd:yag)
- Laser Welding/Soldering System

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