

MIMIC

CZ-3 CONTINUOUS BUZZER

12–24V DC | TECHNICAL DATA SHEET

SUPPLY 12–24V DC	SOUND 90–105 dB	CUT-OUT 22.5 mm	MODE Continuous
---------------------	--------------------	--------------------	--------------------

Product Overview

The **MIMIC CZ-3 Continuous Buzzer** is a compact audible signalling device for DC control and alarm circuits. Operating on **12–24V DC**, it produces a steady high-pitch tone to alert operators to machine conditions, warnings, faults, process status and other conditions requiring attention.

Its **22.5 mm panel cut-out** supports installation alongside push buttons, pilot indicators, selector switches and other control-panel devices. The continuous sound remains active while the compatible supply or control signal is applied.

Key Features

Feature	Description
DC supply	12–24V DC for compatible control circuits.
Continuous tone	Steady audible signal while energized.
Sound output	90–105 dB as listed in the supplied product reference.
Compact mounting	22.5 mm panel cut-out.
Industrial use	Warning, signalling and operator-notification functions.
Panel integration	Fits into control-panel layouts with other panel devices.

Technical Specifications

Parameter	Specification
Brand	MIMIC
Model	CZ-3
Product type	Industrial continuous audible buzzer
Operating voltage	12–24V DC
Operating function	Continuous ON while energized
Sound type	Continuous / steady high-pitch tone
Sound output	90–105 dB
Mounting	Panel mount
Panel cut-out	22.5 mm
Mounting plate thickness	2–3 mm*
Connection	2.5 mm ² × 2*
Body material	Fire-retardant PBT*
Cap material	Polycarbonate*
Rated insulation voltage	250 VAC/DC*
Insulation resistance	1000 MΩ*
Durability	Over 10,000 cycles*
Shock resistance	490 m/s ² *
Protection rating	IP20*
Operating temperature	–20°C to +60°C*

Storage temperature	–30°C to +75°C*
Relative humidity	80% max.*
Maximum altitude	2000 m*
Application	Industrial audible signalling
Country of origin	India

Operating Principle

The buzzer provides a continuous audible signal when a compatible 12–24V DC supply or control signal is applied. In a typical circuit, it may be activated by a switching device, relay output, controller output or alarm contact. Sound continues while energized and stops when the supply or control signal is removed, subject to the connected circuit design.

Typical Applications

Application	Typical use
Electrical control panels	Audible indication of selected panel conditions and operator alerts.
PLC and automation panels	Sound notification linked to compatible control-system outputs.
Machine control systems	Warning or status indication on industrial machinery.
Switchgear and control cabinets	Audible signalling where a continuous tone is required.
Production and packaging equipment	Operator notification during selected process conditions.
Conveyor systems	Audible indication for suitable warning and status circuits.
OEM and process equipment	Integration into equipment designed for compatible DC signalling.

Panel Mounting & Installation Guidance

- 1. Check supply:** Confirm the circuit provides a compatible 12–24V DC supply.
- 2. Prepare panel:** Use the specified 22.5 mm cut-out and ensure the mounting area is suitable.
- 3. Wire safely:** Follow manufacturer terminal markings and the approved circuit diagram. Isolate power before installation or servicing.
- 4. Test operation:** Restore power under controlled conditions and confirm the buzzer sounds when the intended signal is active.
- 5. Consider environment:** IP20 does not indicate weatherproof protection; use suitable enclosure protection where needed.

Selection & Integration Notes

Choose the CZ-3 when continuous audible indication is required and the available supply is within the 12–24V DC range. Confirm the sound level is suitable for the environment. Use the buzzer as part of a properly designed control or alarm system; it does not replace required safety interlocks, visual indicators or emergency procedures.

Continuous Buzzer vs. Buzzer Cum Flasher

A continuous buzzer provides an ongoing audible tone while energized. A buzzer cum flasher combines audible signalling with a flashing visual indication. Choose according to whether the application needs sound only or both audible and visual alerts.

Quick Reference

Model	Supply	Sound	Mounting	Protection
CZ-3	12–24V DC	90–105 dB, continuous	22.5 mm cut-out	IP20*