

PMI: Single Zone Paging Microphone



General Description

The Cloud PMI is a passive paging microphone for simple, single-zone applications. It is ideal for use with any Cloud zoner and mixer-amplifier where single zone paging is required, but may also be used with any 3rd-party zoners etc., fitted with simple contact-closure mic access. Its heavy-duty moulded base and 300 mm gooseneck mic give it a modern,

- Single-zone paging microphone
- High quality dynamic mic mounted on 300 mm gooseneck
- Supplied with windshield
- Solid, heavy non-slip base

attractive appearance, yet it is extremely robust for everyday use (ideal for use behind bars in restaurants and other licensed premises). Connections are provided for wiring the mic audio signal and access contacts. The PTT (Press To Talk) button unmutes the mic and provides contacts (NO or NC) for the host device's access connector:

- Integral PTT (Press To Talk) switch
- NO or NC contacts for external mic access on host zoner/zoner-amplifier
- Mic is muted when not in use
- Internal cable connections with cable retention strap

Technical Specifications

Performance

Directivity	Unidirectional, cardioid pattern
Microphone element	Dynamic (Moving coil)
Sensitivity (0db=1V/Pa at 1KHz)	-54 dB
Frequency response	80 Hz to 15 KHz
Impedance	500 Ω balanced

Controls - Push to talk button

Microphone	Normally closed (shorted)
Switch	Option of normally closed (NC) or normally open (NO)

Connections

Microphone	Internal three poles screw terminal. Hot, cold and screen
Switch	Internal three poles screw terminal. NC, NO and common.

Physical - Dimensions

Width	150mm
Height (not including gooseneck)	45mm
Depth	150mm
Gooseneck	300mm
Weight	475g

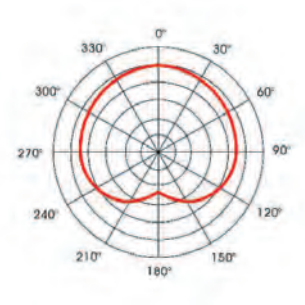
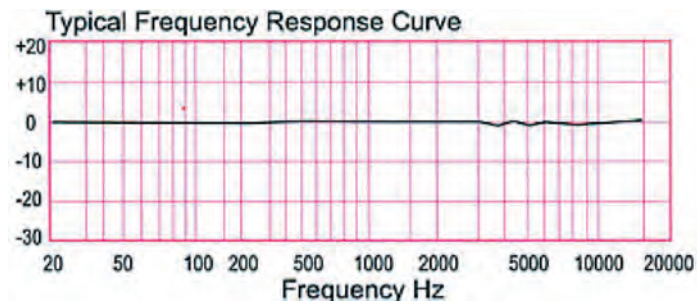
Physical - Finish

Cabinet	Black rubberised ABS
BasePlate	Slate grey painted steel
Gooseneck	Black painted brass
Mounting	Rubber feet

Cables

Maximum Length	100m
Audio	Two core screened
Access	One or two core screened

Graphs



Architect's and Engineer's Specifications

The single-zone paging microphone shall consist of a gooseneck-type dynamic microphone capsule mounted on a non-slip cast steel base to minimize movement on a polished surface. The microphone response pattern shall be cardioid. The microphone and gooseneck shall be non-removable.

Operation shall be via a momentary PTT (press-to-talk) switch. This button will a) unmute the microphone and b) provide both normally-open (NO) and normally-closed (NC) contacts for connection to short-to-ground type access control ports on suitably equipped audio mixers and zoners.

The microphone audio output shall be balanced with connection at an internal screw-terminal block. A similar terminal block shall be provided for connection of the access control cable.

The paging microphone shall not contain any active electronics and will operate without AC or DC power.

The paging microphone shall be the Cloud PMI.