

ZLM08

MUTABLE LOUDSPEAKER TERMINATION DEVICE



DS-028 Issue 03

Thank you for your interest in Zitel - we are a UK based manufacturer of PAGA and Intercom products. Our systems are mainly designed for use in the Hazardous Oil, Gas and Petrochemical industries.

ZLMo8 eliminates acoustic feedback caused by proximity of loudspeakers to an active microphone access panel. The unit disables the respective speaker circuit for the duration of the broadcast. Eight mutable circuits can be managed by the ZLMo8.

ZITTEL ZEST ZLM08

Acoustic Feedback elimination

Enables speech intelligibility

Lightening protection incorporated

Plug link amplifier drive prescription

The ZEST ZLMo8 termination device is a DIN rail mount module designed to fit inside a central PAGA rack MDF / termination field.

The unit provides control of loudspeakers sited in the vicinity of PAGA microphone access units and enables muting of these speakers when the respective microphone is live.

Management of local loudspeaker(s) is necessary to eliminate the detrimental consequences of acoustic feedback (Larsen effect) due to the close proximity of loudspeaker and microphone transducers.

The ZLMo8 connects to the host management via PLK 10 way plug in ribbon cable assembly. Loudspeaker amplifier drive is derived from the 350A Subrack via a second 16 way ribbon cable assembly which patches via the on board PLC connector.

Eight channels are fitted to ZLMo8 termination device allowing muting of eight local mutable loudspeaker circuit radials. Maximum load is 100 Watts per channel (noting the maximum load capability of the 350A power amplifier module is 350 Watts RMS).

Where multiple access positions are fitted additional ZLMo8 modules are cascaded from the host management package.

All outputs are fitted with lightning arrestors and channel status LEDs are fitted which indicate muting on / off activity.



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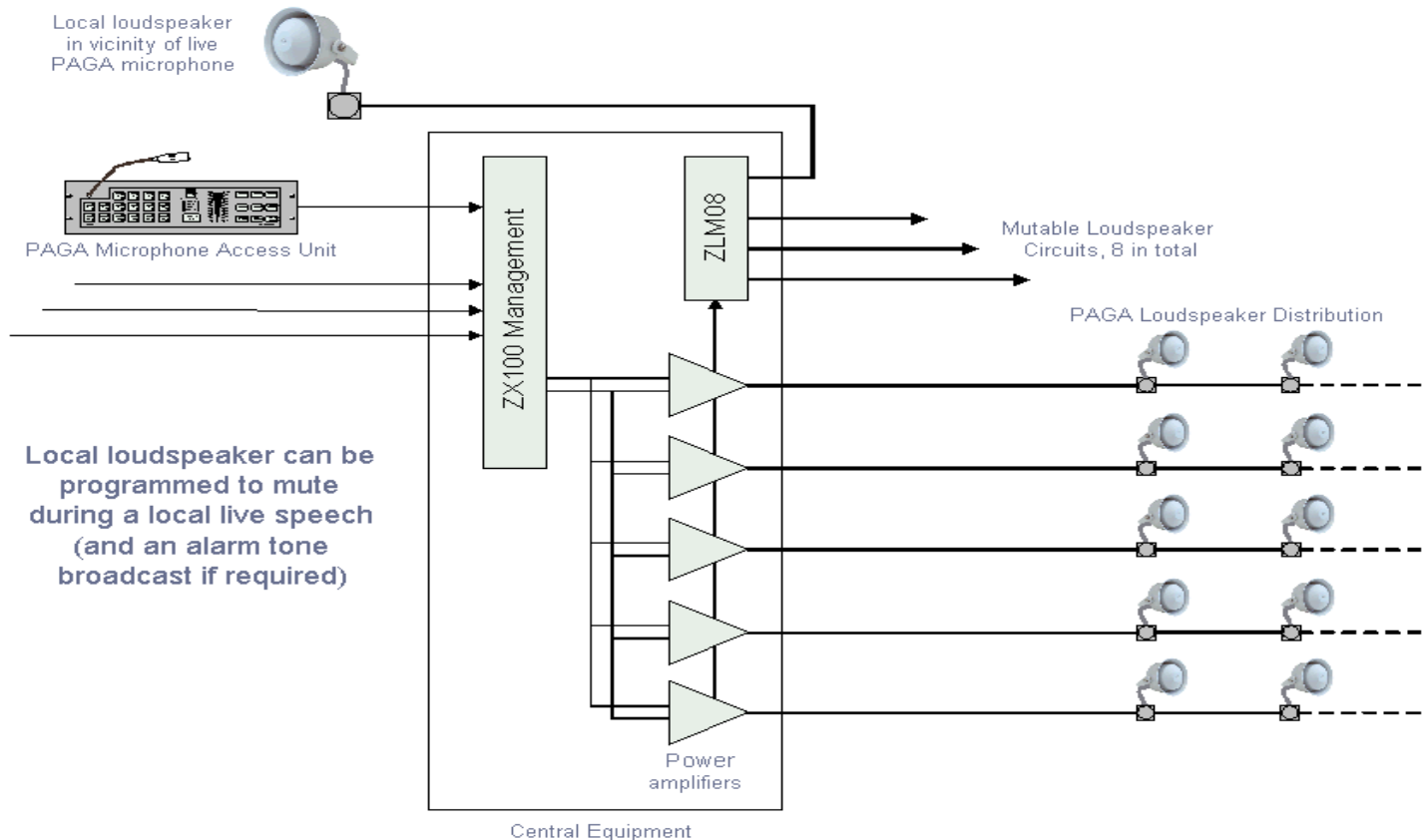
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The ZLM08 carries facility to discreetly mute the operator loudspeaker-s during alarm tone conditions enabling the management team to communicate efficiently during a potential emergency. This can be activated, when specified, by momentary depression of the *mute local alarm button* fitted to the master operator access unit (example AP100-01 shown right). The muting facility is fail safe and can only be selected after an alarm tone is initiated.



Technical Specification	
Supply	48VDC Phantom powered from host ZX100
Consumption	50mA
Number of Zone amplifier inputs / outputs	8
Number of Access Unit control inputs	8
Temperature range	-40 to + 70 C
Weight	1Kg
Shock / vibration	1 g any direction
Location	Safe area / Internal
Connection	Up to 2.5 mm CSA conductors (Test / Disconnect terminals)
Mounting	Standard DIN rail
Dimensions	100 mm x 280 mm x 70 mm

ZLM08 System Diagram



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