

LTD003

HIGH INTEGRITY LOUDSPEAKER NETWORK TERMINATION DEVICE

DS-025 Issue 02



Thank you for your interest in Ziztel - 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.

Consequently our products are very robust and designed to comply with international standards.

Please do not hesitate to contact us for further information on our products we look forward to working with you on a project soon...

LTD003 LOUDSPEAKER NETWORK TERMINATION DEVICE

Small size, Light Weight

High reliability, minimal down time

Integral status display

Rapid Service / simplified maintenance

Continued PAGA broadcast capability in event of a field cable break

Ziztel ZEST LTD003 termination device is a DIN rail mount module designed to allow simple effective connection of loudspeaker field cable networks.

The unit comprises of a robust glass fibre printed card which is equipped with send / receive loudspeaker loop network output test / disconnect knife terminals.

LTD003 provides field cable connection for up to eight amplifier 70/100Volt line circuits each with loop network drive capability.

The device includes lightning protection on each outlet thereby assuring highest system reliability in the most arduous of operating environments. Line output terminations incorporate a test connect / disconnect switching feature to allow the engineer to isolate line(s) during maintenance/commissioning operations.

Terminals accept a range of field cable conductor sizes up to a maximum of 2.5mm² cross sectional area.

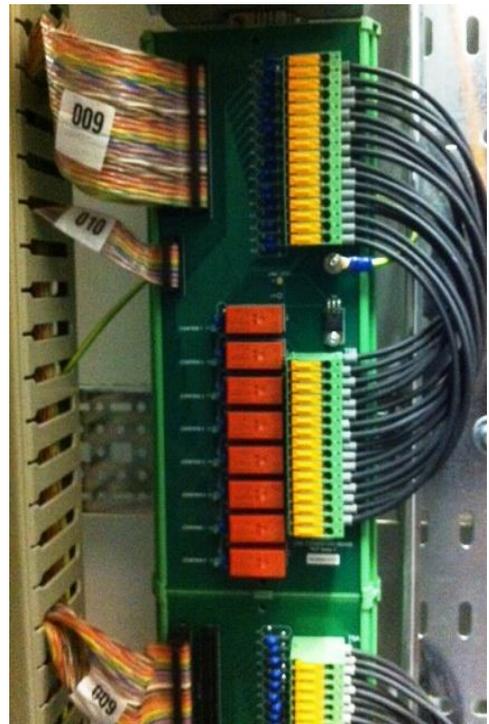
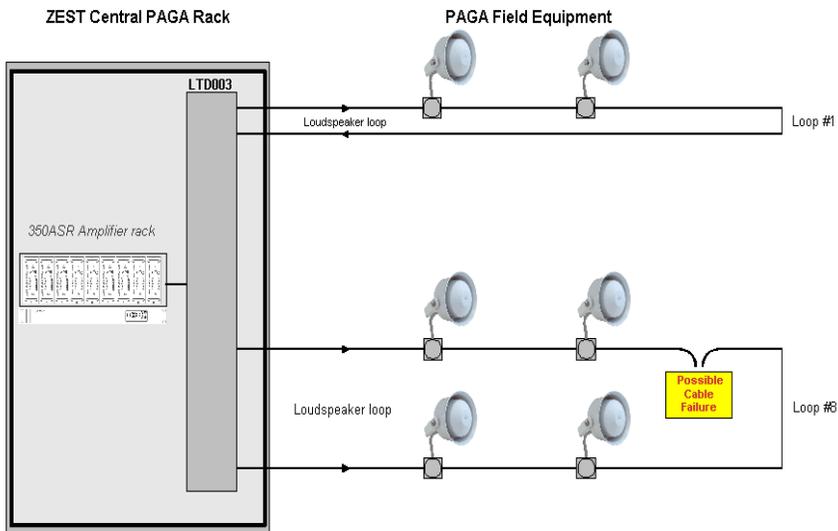
The LTD003 supports ring wired loudspeaker networks, and enables termination of the send and receive conductors of the respective loop. With this configuration service is automatically maintained to all loudspeakers even under a cable break scenario. ZEST supervision in conjunction with LTD003 silently monitors the associated field cable critical paths confirming network security and availability.



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Loudspeakers are "loop" wired to ensure continued service in the event of a single cable break.
The maximum load per loop is 350Watts RMS. The loop voltage is 100 or 70 volt line.

Technical Specification

Number of channels	Eight [8]
Output Voltage	100/70 V line
Loop or radial wired loudspeaker circuits	Seal-healing when loop wired
Field cable conductor size	Up to 2.5mm cross sectional area
Maximum load per channel	350 Watts RMS
Dimensions	280mm x 100mm x 70mm
Temperature range	-20°C to +70°C
Humidity	80% non-condensing
Shock vibration	Up to 1g any direction
Terminal	Up to 2.5mm CSA ferrule conductors
Weight	0.5 Kg

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