

# LTD007

## CENTRAL RACK LOUDSPEAKER NETWORK TERMINATION DEVICE

DS-326 Issue 01



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

LTD007 is a simple line termination device providing interface between the sub rack back plane and loudspeaker network field cable. Where supervision is required use of optional LTD010 and LTD010Ex termination devices provide assurance of critical path continuity.

## LTD007 RADIAL NETWORK TERMINATION DEVICE

*DIN rail mount* – simple installation

*Test disconnect terminals* – isolation of field cables enables simple testing

*Dual circuit outputs* – allows two separate radial terminations per amplifier

*Does not require end of line return* – lower cost installation

Zitel ZEST LTD007 is a passive DIN rail mount module designed to allow simple effective connection of loudspeaker field cable networks to host 350A amplification. LTD007 provides field cable connection for up to eight amplifier 70/100Volt line circuits each with radial network drive capability. The unit comprises of a robust glass fibre printed card which is equipped with network output test / disconnect knife terminals enabling convenient and rapid isolation field cables during maintenance/commissioning operations. The device includes lightning protection on each outlet thereby assuring highest system reliability in the most arduous of operating environments. Terminals accept a range of field cable conductor sizes up to a maximum of 2.5mm<sup>2</sup> cross sectional area per core. The LTD007 supports radial, star or tree and branch PAGA loudspeaker field cabling topologies and operates with LTD010 end of line devices. ZEST supervision in conjunction with LTD010 and the host 350A Class G amplifier-silently monitors the associated field cable critical paths confirming network security and availability. Connection from LTD007 and amplifier sub rack is by plug in / out cable harness.

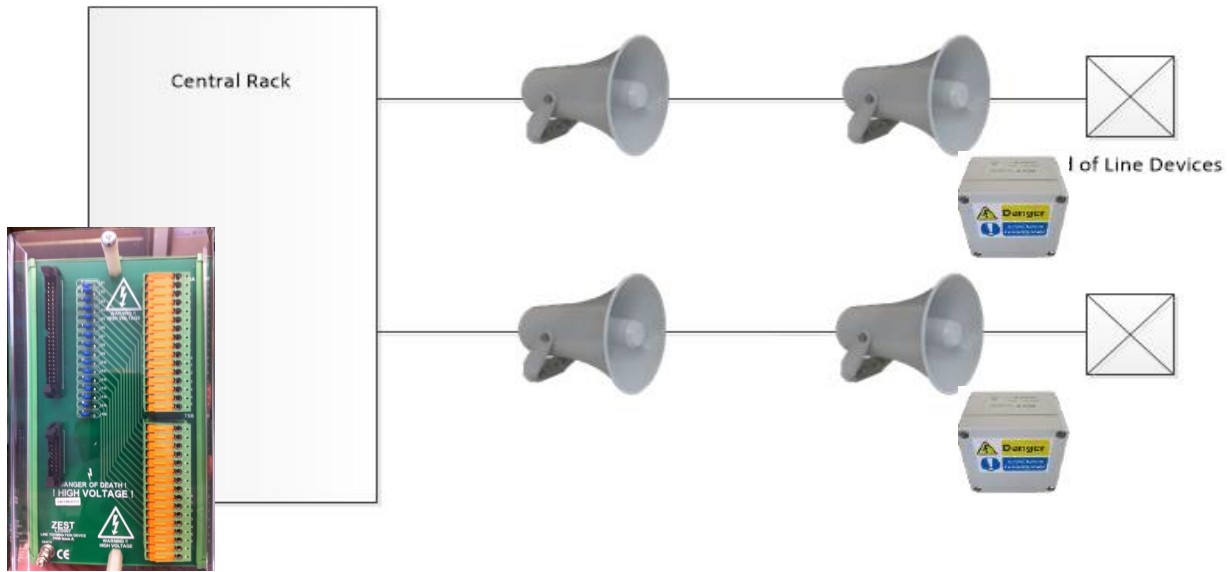


ZITTEL LIMITED

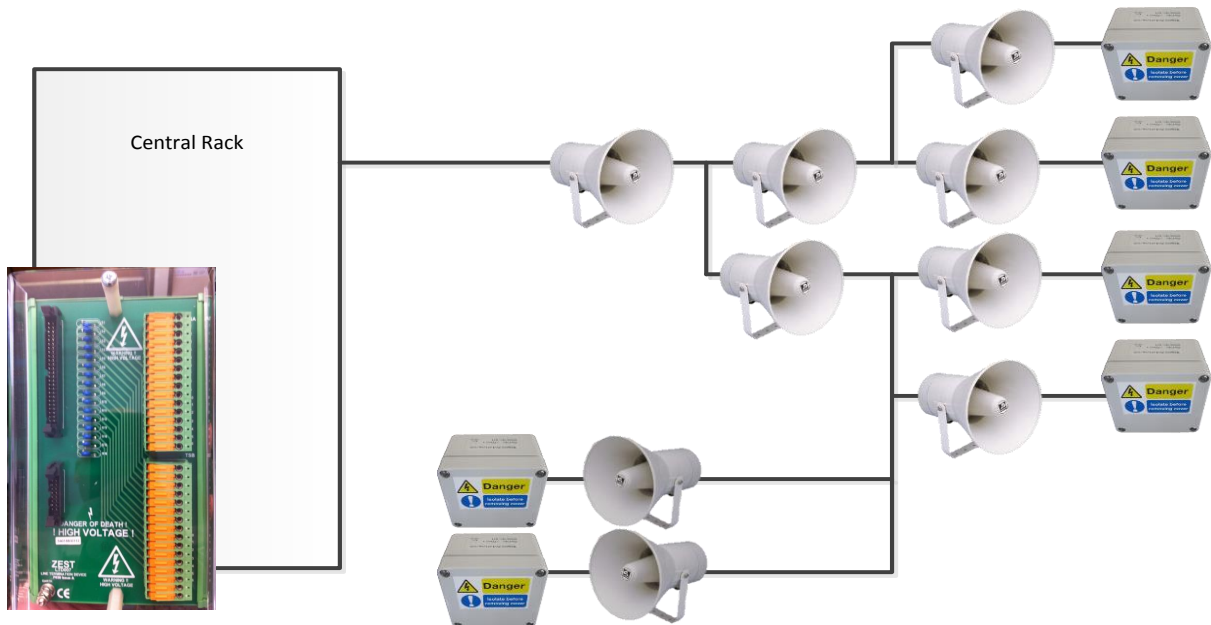
email: [sales@zitel.com](mailto:sales@zitel.com) web: [www.zitel.com](http://www.zitel.com) tel: +44 (0) 115 9202888  
mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom

All text, drawings and photography contained within this data sheet are the property of Zitel Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of Zitel Ltd. Zitel Ltd have a policy of continuous product improvement and contents here in are liable to change without notice.

### Radial Loudspeaker Circuit Connection Topology



### “Tree and Branch” Loudspeaker circuit connection topology



ZIZTEL LIMITED

email: [sales@ziztel.com](mailto:sales@ziztel.com) web: [www.ziztel.com](http://www.ziztel.com) tel: +44 (0) 115 9202888  
 mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom

All text, drawings and photography contained within this data sheet are the property of Ziztel Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of Ziztel Ltd. Ziztel Ltd have a policy of continuous product improvement and contents here in are liable to change without notice.

<b>Technical Specification</b>	
Number of channels	Eight [8]
Output Voltage	100/70 V line
Radial wired loudspeaker circuits	Star / tree and branch
Field cable conductor size	Up to 2.5mm cross sectional area
Maximum load per channel	350 Watts RMS 350 A amplifier or 500 Watts 350-500A model
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

---

ZIZTEL LIMITED

email: [sales@ziztel.com](mailto:sales@ziztel.com) web: [www.ziztel.com](http://www.ziztel.com) tel: +44 (0) 115 9202888  
mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom

All text, drawings and photography contained within this data sheet are the property of Ziztel Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of Ziztel Ltd. Ziztel Ltd have a policy of continuous product improvement and contents here in are liable to change without notice.