

LSZDC



- D150 / D500 SURVEILLANCE MODULE
- LOOP, IMPEDANCE AND DC MONITORING
- LOW STANDBY CURRENT

OVERVIEW

The LSZDC is an amplifier interface card for use with the D500 and D150 Transformerless Class-D Amplifiers in a V2000 Amplifier Mainframe for Voice Alarm and Public Address applications. It enables two circuits (A&B) to be fed from a single amplifier while still maintaining BS5839 Pt 8 compliance.

This interface card provides

- amplifier health monitoring via subsonic surveillance tone
- standby switchover
- loudspeaker line earth leakage monitoring
- loudspeaker line 'End Of Line' (EOL) monitoring

Relays in series with each output facilitate isolation of faulty speaker circuits.

Loudspeaker circuits can be monitored using DC, Impedance or Loop Return methods.

Each LSZDC includes powerful on-board DSP (digital signal processing) capability, enabling parametric equalisation, gate and gain settings to be applied separately to each amplifier.



SPECIFICATION

Power

Quiescent Current (Normal)..... 15mA

Quiescent Current (Loop Return Mode)..... 39mA

Audio Processing

Gain -60 to +10 dB

Gate Configurable Threshold / Attack / Hold Release

EQ 10 Band Parametric

Interfaces

Audio Input..... 0dB Balanced Analogue Audio

Loudspeaker Monitoring DC, Loop Return, Impedance

Loudspeaker Outputs..... Dual A and B outputs

Environmental

Operating -10°C to +55°C¹

Storage -20°C to +55°C

Humidity Range 0% to 93% non-condensing

¹With RAK-FAN-01 fans fitted. Otherwise 40°C. Note that fans are required in certain configurations. See ASL design guide for more information.

Mechanical

Dimensions 64 mm x 30 mm x 121 mm

Weight..... 0.15 kg

IP Rating IP20 as part of V2000 frame



This equipment is designed and manufactured to conform to the following EU Directives:

Electromagnetic Compatibility (EMC): 2014/30/EU

Low Voltage: 2014/35/EU

Restriction of Hazardous Substances (RoHS): 2011/65/EU

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Assessed to ISO 9001

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