

AMPLIFIER CARDS

- EN54-16 COMPLIANT
- CLASS D TRANSFORMERLESS AMPLIFIERS
- AVAILABLE IN EITHER 150W OR 500W
- 100V, 70V OR 50V OUTPUT
- VERY HIGH EFFICIENCY AND LOW STANDBY CURRENT
- COMPATIBLE WITH THE V2000 MAINFRAME AND INTEGRA RANGE



OVERVIEW

The D150 and D500 are two class D transformerless amplifiers provide 100, 70 or 50V audio output for distributed loudspeaker systems. The amplifiers are compatible with the V2000 amplifier mainframe and LSZDC dual line surveillance interface module. The maximum output power is user configurable from 25W to 150W (D150) and from 25W to 500W (D500). Up to 10 D150 and D500 amplifiers modules can be housed within a single V2000 amplifier mainframe.

The configurable output power capability of the D500 and D150 amplifier modules enables very flexible use of the mainframe, with reduced mainframe count, lower quiescent power requirement, and improved environmental performance compared with traditional amplifier designs.

For further details please refer to the amplifier product manual or visit www.asl-control.co.uk.

SPECIFICATION

Quiescent Current

Module 16mA

D500 Amplifier Module

Amplification Transformerless Class D

Power output @ 100V 25W to 500W¹

Power output @ 70V 25W to 350W¹

Power output @ 50V 25W to 250W¹

Efficiency >=83%

Measured at 100V rms sine into 20 Ohms load

Frequency response 100Hz to 20kHz +/- 3dB

THD < 0.5%

Output Noise better than 85dB below 100V

D150 Amplifier Module

Amplification Transformerless Class D

Power output @ 100 / 70 / 50V 25W to 150W¹

Efficiency >=86%

Measured at 100V rms sine into 66.67 Ohms load

Frequency response 100Hz to 20kHz +/- 3dB

THD < 0.5%

Output Noise better than 85dB below 100V

Mechanical

Module Weight 0.8kg

Environmental

Operating -10°C to +55°C²

Storage -20°C to +55°C

Humidity Range 0% to 93% non -condensing

Ingress Protection IP20 as part of V2000

Compatibility

V2000 Amplifier Mainframe

LSZDC Amplifier Interface Card

INTEGRA Range All In One Voice Alarm System

Product Codes

D500 500W Amplifier Card

D150 150W Amplifier Card

¹ Specified output power can be delivered when the amplifier mainframe is being powered from either mains or 24V battery supplies.

²With RAK-FAN-01 fans fitted. Otherwise 40°C. Note that fans are required in certain configurations. See ASL design guide for more information.



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

Manufacturer:

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Assessed to ISO 9001

LPCB Cert No: 1043QMS

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