

EF-D150 & EF-D500 Modular amplifier cards



The EF-D150 and EF-D500 class D transformerless amplifiers provide 100, 70 or 50V audio output for distributed loudspeaker systems.

The amplifiers are compatible with the EFDAU2000 Wall Mount Voice Alarm System and are interfaced to EF-LSZDC dual line surveillance interface module to provide fully monitored speaker lines.

The maximum output power is user configurable from 25W to 150W (EF-D150) and from 25W to 500W (EF-D500).

Up to 10 x EF-D150 and or EF-D500 amplifiers modules can be housed within a single EFDAU2000 Wall Mount Voice Alarm System.

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

Features and benefits

- Class D transformerless amplifiers.
- EFDAU2000 compatible modular card.
- Software configurable maximum power.
- Fault indication led per amplifier.
- High efficiency & low standby current.
- 100 / 70 / 50 V Output.



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Specification

Quiescent current

Module	16mA
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EF-D500 Amplifier modules

Amplification	Transformer-less Class D
Power output @ 100V	25W to 500W
Power output @ 70V	25W to 350W
Power output @ 50V	25W to 250W
Efficiency	>=83%
Frequency response	100Hz to 20kHz +/- 3dB
THD	< 0.5%
Output Noise	85dB (A-weighted) below full output

Mechanical

Module Weight	0.8kg
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EF-D150 Amplifier modules

Amplification	Transformer- less Class D
Power output @ 100V	25W to 150W
Power output @ 70V	150W
Power output @ 50V	150W
Efficiency	>=86%
Frequency response	100Hz to 20kHz +/- 3dB
THD	< 0.5%
Output Noise	<85dB below full output

Environmental

Operating	-10°C to +55°C
Storage	-20°C to +55°C
Humidity Range	0% to 93% non -condensing
Ingress Protection	IP20 as part of V2000

Eaton order codes

EFDAU2000	1 x Wall mount voice alarm system with capacity for up to 10 amplifier cards
EF-D150	1 x 150 watt amplifier card (50V/70V/100V)
EF-D500	1 x 500 watt amplifier card (50V/70V/100V)
EF-V2000-STBY	Standby amplifier interface card
EF-LSZDC	Surveillance Interface Card

Further information

Please refer to the EFDAU2000 Manual 25-14401-A for further details.