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## BV225

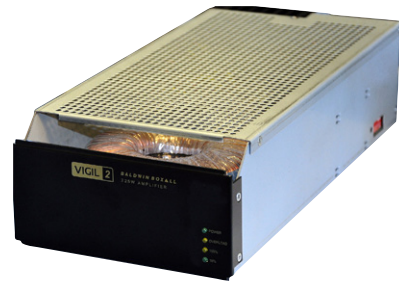
Class D amplifier 225W 100 V En54-16

EN54-24

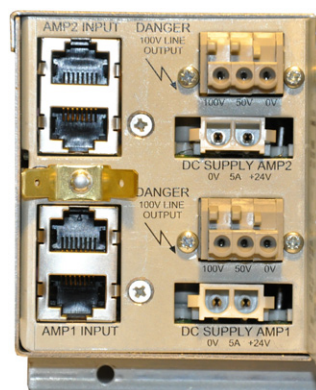
MADE IN 

1 year warranty

- Designed for quick and simple connection and configuration.
- Both amplifiers have two input connectors to enable simple interconnection using standard RJ45 patch leads.
- 2 U high and mountable in a 19" rack.
- These modules need to be supplied by the power supply BVPM or BVSMP (compliant to EN54) which are mountable in the BVMF 19" mainframe.
- Available in the range: BV125D - 2 x 160W & BV050Q - 4 x 65 W
- Power : Contains one 260 W class D power amplifier @ TDH < 1 %, with a single balanced line audio input 500 mV and 100 V line output. Class D rated output power is attainable using a 22V battery supply.
- Sleep mode - automatically reducing the standby requirements to 50mA per amplifier when operating on batteries. Each connector provides a balanced audio input and ground.
- The 24V DC input is presented on a two 2-way crimp connected socket.



- The BV225 Amplifier is protected by an internal 15 A automotive style blade fuse. The amplifier output voltage is also sensed and should it exceed 100 V the VCA will be activated and will reduce the input signal ensuring safe operation without creating unnecessary distortion.
- If the system is under surveillance it will cause the surveillance detector to indicate a fault condition due to the gain reduction
- The BV225 can be used as follow : 1 independent zone or 2 amplifiers wired as an A/B dual circuit using a single input signal or The RJ45 Amp Input sockets are connected in parallel, several amplifiers enable higher power outputs



# BV225

## Class D amplifier 225W 100 V En54-16

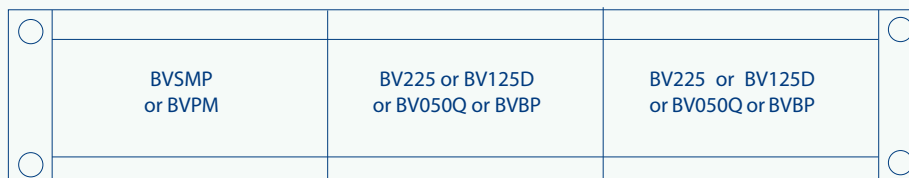
Technical specifications BV225 (for one amplifier)	
Typical output power less than 1% THD	260 W @ 38,6 Ω
Output regulation	better than 1.5dB
Output voltages obtainable	50 & 100V
Frequency response (-3dB)	35 Hz - 20 kHz
Input sensitivity and impedance	500 mV @ 40 KΩ balanced
Input common mode rejection ratio	(50 Hz - 20 kHz) Better than 40 dB : typically 60 dB
Output noise reference to rated output	Better than 85dB
Supply voltage	22 - 35 V DC
Sleep mode 26V (battery supply)	50 mA
Quiescent 30V (mains supply)	160 mA
Rated output power	10 A
Output stage protection	
Thermal	Output stage above 90°C
Load	Excessive output stage current
Action	Reduces input to safe level using low distortion VCA
Front panel indicators per amplifier Supply (green)	DC supply connected
Front panel indicators per amplifier Active (green)	
Front panel indicators per amplifier Temp alert (yellow)	
Front panel indicators per amplifier Overload (yellow)	Protection circuit operating
Front panel indicators per amplifier 100% (yellow)	100V output voltage
Front panel indicators per amplifier 10% (green)	10V output voltage
Loudspeaker line output	3-way cage clamp
Balanced line inputs	RJ45 connectors
DC supply input	2 pin crimp connectors
Dimensions	2 U, 1/3 19"

### BVMF 19" mounting mainframe

The BVMF permits to mount amplifiers with their power supply in a 19" rack.

Several combinations are possible according to the customer's needs. We recommend to use the BVSMP in case of an Evac systems or BVPM if compliance with EN54 is required.

Standby batteries are continually 'float charged' by the unit. Ensuring that, in the event of mains failure, power is maintained. The drawing hereunder illustrates the several mountings :



BVBP = blank panel 1/3 19"