Amplifier Dual 150W

Certified to BSEN54

The VIGIL3 amplifiers form part of our new voice alarm range of products. They use new transformerless technology and have many great features.

Our VIGIL3 range, as with all of our products, has been designed and built with quality and absolute reliability in mind.

VIGIL 3

FEATURES:

- New floating transformerless technology which negates the need for cumbersome transformers. This means that:
  - Each amplifier is considerably lighter - weighing up to 58% less when compared on a Watt-for-Watt basis.
  - Much less copper is required during manufacture.
- VIGIL3 amplifiers provide increased power in a smaller sized rack/system when compared to alternatives.
- With VIGIL3 amplifiers it is possible to fit up to 1800 Watts of power in one 2U rack space.
- Each amplifier unit includes a built-in power supply, thus freeing up valuable rack space.
- The amplifiers have a 'sleep mode' which:
  - Operates not only when the system is running on batteries but also when it is running on mains power.
  - Will 'wake' immediately when they are required - there is absolutely no 'down time'.
  - Will benefit users due to the reduction in mains power use - both financially and environmentally.
- Up to three amplifier units - providing up to 12 zones - can be housed in a single 2U rack space.
- Being modular, VIGIL3 amplifiers offer great flexibility for system design.
- Being backward compatible*, VIGIL3 amplifiers can replace VIGIL2 equivalents should this be required.
- VIGIL3 amplifiers, when combined with the VIGIL3 battery charger module (BVMBC) and the BVRD2M/BVRD2M4 VIGIL2 voice alarm router(s), form a powerful EN54 compliant voice alarm system (VACIE).
- Other amplifiers in the range:
  - Dual 75 Watt (BVO75D)
  - Quad 75 Watt (BVO75Q)
  - Quad 150 Watt (BV150Q)
  - Dual 300 Watt (BV300D)

* Additional, basic wiring & BVMBC required.

VOICE ALARM

PUBLIC ADDRESS

BALDWIN BOXALL

LEADING THE WAY TO SAFETY

Specifications:

BV150D	
Amplifiers in unit	2 x 150W
1 kHz rated output power, <0.2% THD	150W at 66.6 Ohms
Output regulation	Better than 0.3dB
Output voltage obtainable	100V only
Frequency response (-3dB)	35Hz to 20kHz
Input sensitivity and impedance	0dBm @ 10K Ohms balanced
Input common mode rejection ratio	(50Hz-20kHz) better than 40dB (typically 60dB)
Output noise reference to rated output	Better than 80dB(A)
Cross talk between amps at 1 kHz	Better than 70dB
Supply voltage (batteries)	22-28V DC
Standby current (batteries)	60mA per amplifier
24V input for rated output	7.5A / Amp
Output stage protection	
Thermal	Output stage above 90°C
Load	Excessive output stage current
Action	Reduces input to safe level using low distortion VCA
Fuse Protection	
AC supply (5 x 20mm)	1 x 2A(T)
Battery (automotive blade)	1 x 20A
Terminations	
Speaker line output	2 x cage clamp
Balanced line inputs	RJ45 connections
DC supply (batteries)	2 pin rising clamp
Mains supply input	IEC 6A filtered connector
Dimensions (W x H x D) mm	142 x 75 x 311
Weight	2.3 kg
Mains supply	230V + 10%/-15% 50/60Hz
Power factor	Active power factor correction - better than 0.95 at rated power
Standby power consumption (mains)	12W
Maximum power consumption	350W
Finish	RAL 9005

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