

Amplifier Dual 75W

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:
 - Quad 75 Watt (BVO75Q)
 - Dual 150 Watt (BV150D)
 - Quad 150 Watt (BV150Q)
 - Dual 300 Watt (BV300D)

* Additional, basic wiring & BVMBC required.

Specifications:

| BV075D | |
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| Amplifiers in unit | 2 x 75W |
| 1 kHz rated output power, <0.2% THD | 75W @ 132 Ohms |
| Output regulation | Better than 0.2dB |
| 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 | 3.75A / 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 | 175W |
| Finish | RAL 9005 |



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