



VoIP DUAL AMPLIFIER



VIGIL VoIP

Voice over Internet Protocol (VoIP) technology adds further flexibility to our VIGIL2 systems. The amplifier has been developed with the combined abilities of Baldwin Boxall and Archean Technologies in France.

BVVO50D

FEATURES:

- The BVVO50D is the outcome of a joint venture between Baldwin Boxall and Archean Technologies.
- 'All-in-one' product, 2U high.
- Contains two independent 50W class D power amplifiers, each with a single balanced line audio input and 50W 100V line output.
- Two independent audio IP channels.
- Integral processor enables local management.
- Failure of network can trigger a local safety or warning message if required.
- Ideal for voice alarm or public address systems.
- Enables broadcast of data and voice simultaneously - without any loss of quality (even over several hundred kilometres).
- Conforming to the IP standard, can be easily integrated into existing networks.
- Does not need a dedicated Ethernet network.
- Amplifiers are fully monitored.
- Impedance monitoring of loudspeaker lines.
- Suitable for numerous applications.
- Managed by the ATCONT controller and ATSOFT management system, which provide the following optional features:
 - Text-to-speech broadcast.
 - Messaging capabilities.
 - SD memory for messaging.
 - Live paging - using either standard BDM microphones or the BVVMP handset.
 - Realtime fault indication and reporting.
 - Timed messages and timed volume adjustment.
 - Multi-IP user system.
 - Remote control.
 - Communicate with passenger information display system (PIDS) for automatic audio translation.

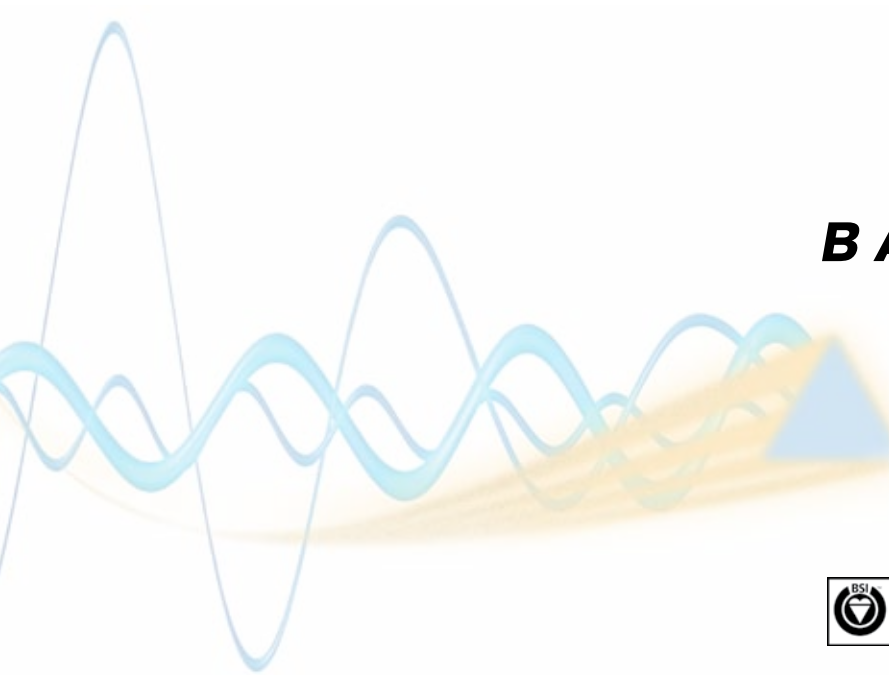
TYPICAL APPLICATIONS INCLUDE:

- Tramways.
- Bus stations/stops.
- Railway station.
- Multi building complexes.
- Education establishments.
- Tunnels.
- Car parking.
- Light railway.

BVV050D SPECIFICATION:

Performance	
Output power @ <0.2% THD	50W @ 200 ohms
Output power @ <1% THD	65W @ 153.8 ohms
Output stability	120W @ 83.3 ohms - <1.4dB
Loudspeaker line outputs	50 & 100V
Pass band	120W @ 83.3 ohms - 35Hz-20kHz
Input sensitivity & impedance	500mV @ 40K ohms balanced
Input protection ratio (50Hz-30kHz)	>40dB typically 60dB
Signal to noise ratio	>80dB
Amplifier crosstalk	>70dB
Supply	230V AC
Consumption	
Standby mode @ 220V AC	0.9A
In operation at 220V	2.7A
Amps	10A
Protection	
Temperature	>90°C
Load	Output load
Action	Reduction of input level using the VAC (voltage controlled attenuator)
Connectors	
Loudspeaker lines	3-pin connector supplied
Micro-sensor inputs	RJ45 connector

Ethernet network	RJ45 connector
Opto-coupled inputs	4 x 24V screwed terminal block (for feedback of remote information)
Relay outputs	4 x 24V screwed terminal block (for remote control)
VOIP performance	
Pass band	20Hz-20kHz (±1dB)
Isolation	>80dB
Signal to noise ratio	>85dB
Codec	Phillips UCB1400
Front panel indicators	
Supply	230V AC supply
Temperature alert	Operating temperature >90°C
Overload	Over voltage protection
Active	Amplifier active
100%	100V output voltage
10%	10V output voltage
Lamp test button	
Fault	General fault indication
Ethernet link	Ethernet cable link
Ethernet activity	Traffic on Ethernet network
Dimensions mm W x H x D	483 x 89 x 254
Weight	8.7 kg



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