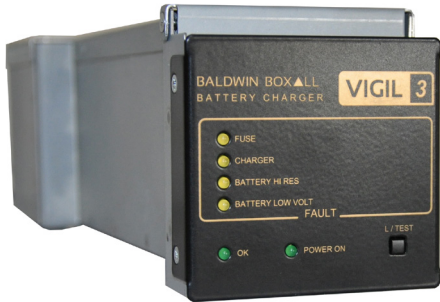


VIGIL3 Charger Module

Certified to BSEN54



VIGIL3 is our next generation of voice alarm system products. The charger module fits alongside the VIGIL3 amplifiers in a 2U mainframe.

VIGIL 3

COMPLETE SYSTEM FEATURES:

- Supports up to 64 simultaneous audio channels
- Supports up to 400 inputs and 800 outputs
- Supports up to 254 voice alarm messages
- Fully modular and expandable
- Fast and responsive large systems
- Single point for configuration/message upload/fault log access
- Truly distributed but forming a single voice alarm system
- Can be realised as both rack and wall mounted Eclipse systems
- Internal connections all CAT5 for ease of assembly and maintenance
- No Ethernet switches required
- Supports all Baldwin Boxall amplifiers and speaker line monitoring solutions
- All connections monitored for reliability and peace of mind
- Mix and match copper and fibre network interfaces

FEATURES:

- The VIGIL3 battery charger module (BVMBC) is compact; it is half the size of the VIGIL2 power supply charger unit.
- The module continually monitors the system backup batteries and charges them whenever this is necessary.
- Neatly fits alongside the VIGIL3 amplifiers in a 2U mainframe.
- Only one charger module is required for up to five VIGIL3 amplifier modules.
- Continually monitors the power supplies in five VIGIL3 amplifier modules.
- The module features an auxiliary DC output which can be used for powering other equipment.
- For use with the new more powerful, lighter weight VIGIL3 amplifiers:
 - Dual 75 Watt (BV075D)
 - Quad 75 Watt (BV075Q)
 - Dual 150 Watt (BV150D)
 - Quad 150 Watt (BV150Q)
 - Dual 300 Watt (BV300D)

Specifications:

Parameter	Specification
Maximum battery capacity	5 x VIGIL3 amplifier modules: 150 Ah 4 x VIGIL3 amplifier modules: 150 Ah 3 x VIGIL3 amplifier modules: 150 Ah 2 x VIGIL3 amplifier modules: 100 Ah 1 x VIGIL3 amplifier modules: 55 Ah
Minimum battery capacity	5 x VIGIL3 amplifier modules: 100 Ah 4 x VIGIL3 amplifier modules: 80 Ah 3 x VIGIL3 amplifier modules: 60 Ah 2 x VIGIL3 amplifier modules: 40 Ah 1 x VIGIL3 amplifier modules: 20 Ah
Charge voltage @ 20°C	27.35V
Temperature compensation	-48mV/°C
Battery low fault voltage	21V
Battery deep discharge cut off voltage	18V
Maximum charge current 10A (2A / amplifier module)	10A
Battery high resistance fault	22m Ohm (above set point)*
Aux DC output voltage	30V (mains present) Battery voltage (mains not present)
Aux DC output max current	2A
Volt free fault relay output contacts	100V @ 1A Max
Front panel indicators	
Power on	Battery or amplifier supply present
OK	No fault

Parameter	Specification
Fuse*	No supply from connected VIGIL3 amplifier(s) AC mains not connected to VIGIL3 amplifier(s) VIGIL3 amplifier(s) internal 12V supply failed VIGIL3 amplifier(s) internal 180V supply failed BVMBC Aux DC output failed
Charger*	VIGIL3 amplifiers DC charging supply <28V Charge voltage >29V Charge voltage <21V
Battery Hi Res*	Battery resistance greater than set point
Battery low Volt*	BVMBC battery voltage <21V VIGIL3 amplifier(s) battery voltage <21V
Common fault relay indicated faults	Fuse Charger Battery high resistance Battery low voltage Connected VIGIL3 amplifier(s) over temperature Connected VIGIL3 amplifier(s) data fault
Terminations	
Battery connection	2 pin screw connector
Aux DC, fault relay & external temp sensor connection	8 pin screw connector
DC & Data (VIGIL3 amp connections)	5 x RJ45 connectors

* If a fault has been indicated that has subsequently cleared, the corresponding fault LED will flash. Briefly pressing the L/Test button will clear this indication. If the fault is currently present then the LED illuminates steadily and cannot be extinguished with the L/Test button.



BALDWIN BOXALL
LEADING THE WAY TO SAFETY

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