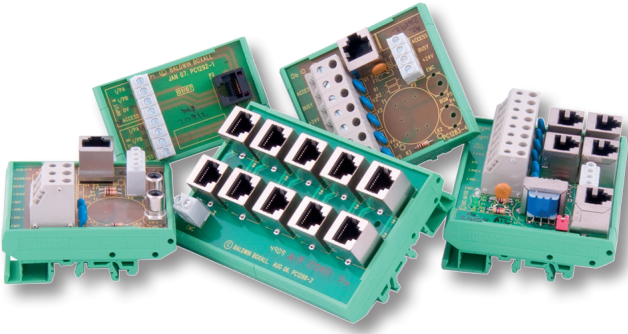


CANBUS

& other Modules



VIGIL EVAS voice evacuation systems provide the solution for many projects, regardless of size, layout or type. The CANBUS modules, which contribute to this flexibility, are listed below.

VIGIL 2

BVRDACO:

- Amplifier/line monitor.
- 10 x BEL1 line surveillance with earth leakage fault detection.
- 11 x amplifier surveillance (10 with automatic amplifier changeover).

BVRDNCO:

- As BVRDACO without auto-changeover.

BVRDCI:

- 16 x analogue voltage sensing inputs for monitored and unmonitored input access, ambient noise sensors, remote volume controls, etc.
- 4 x volt free changeover relay contacts for busy, etc.
- 8 x NPN open collector outputs 40V @ 100mA.
- 1 x RS485 half-duplex port for communicating to control microphones, fire detection systems, network control, fault reporting.

BVRDFPI:

- Fire panel interface.
- 24 x opto-coupled inputs from fire detection system.
- 1 x common fault volt-free changeover relay contacts.

BVRDADC:

- DC line monitor.

BVRDADIM & BVRDADIS:

- Enables dual loudspeaker circuits to connect to a single amplifier.
- Each BVRDADIS unit provides both A&B circuits for two amplifiers.

- Up to 10 spurs per loudspeaker line.
- The BVRDADIM master unit connects to the BVRD2M router.
- Up to five BVRDADIS can be connected to one BVRDADIM.
- Fitting five BVRDADIS enables broadcast and monitoring for up to twenty loudspeaker circuits. (The modules plug directly together.)
- Utilises DC line monitoring techniques, therefore BEL1 end of line monitoring is not required. (Please refer to 'system requirements'.)
- Failure of either the A or B circuit from one amplifier will not effect the other circuit.
- In the event of an amplifier failure, reserve amplifiers will automatically operate.
- With five BVRDADIS fitted, a one-in-ten amplifier changeover ratio is enabled.
- Earth leakage protection.

System requirements (BVRDADIM/S):

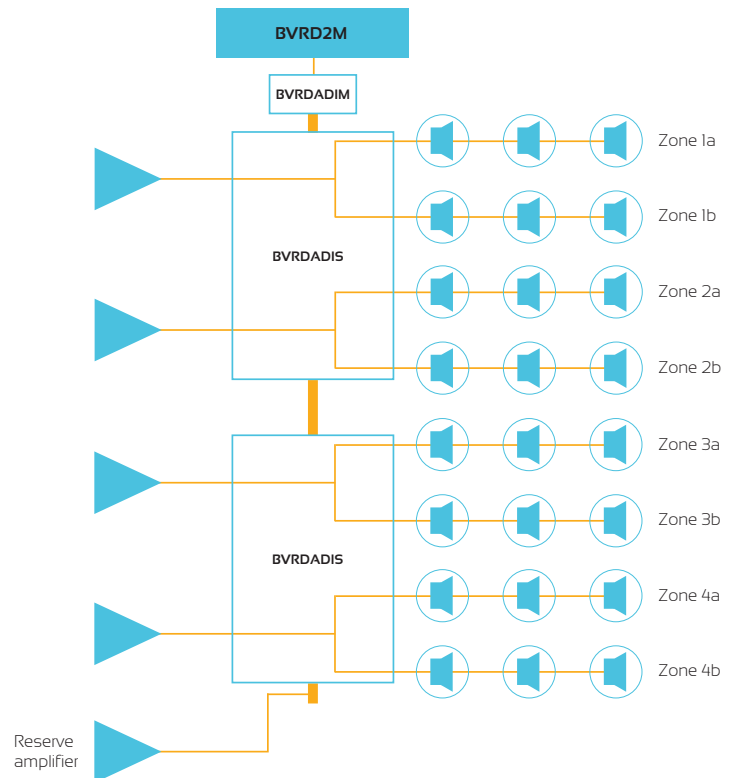
- Maximum of 225W load per loudspeaker line.
- Each loudspeaker requires a 2.2µf 250V DC capacitor fitted. Please request from your loudspeaker supplier.
- Each end-of-line loudspeaker requires a 10K 2W (at 1% tolerance) resistor fitted across the line. (Supplied free of charge on request.)

DIF & other DINrail Modules:

DIN rail mounting interface modules. DIF modules typically provide screw terminals for connection to site cables and RJ45 socket(s) for patch cord connection to EVAS router(s).

- BVRDIF1:** Auxiliary/music input interface. 2 x phono inputs and terminals for line input.
- BVRDIF1T:** BVRDIF1 with isolation transformer fitted.
- BVRDIF2:** Microphone input. Terminals for standard microphone input (not data), including busy, access, +24V, etc.
- BVRDIF2NET:** BVRDIF2 for networked racks.
- BVRDIF3:** Data microphone input interface.
- BVRDIF3NET:** BVRDIF3 for networked racks.
- BVRDIF4:** Amplifier input interface. Converts RJ45 to terminals (8).
- BVRDIF5:** Microphone sensitivity.
- BVRDIF6:** Screw terminals to RJ45 sockets x 4.
- BVRDIF7:** Microphone input interface for BVRDTSM touch screen microphone.
- BVRD2M4IPE:** Input expansion module. Allows up to 4 separate audio inputs to be connected to a single input on a BVRD2M4.
- BVRDP5:** RJ45 five-way patch board. Links data and/or audio racks when adjacent to each other.

BVRDADIM & BVRDADIS - TYPICAL APPLICATION



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