

# 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).
- 1 x RS485 half-duplex port for communicating to control microphones, fire detection systems, network control, fault reporting.

### 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.
- 1 x RS485 half-duplex port for communicating to control microphones, fire detection systems, network control, fault reporting.

### 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):

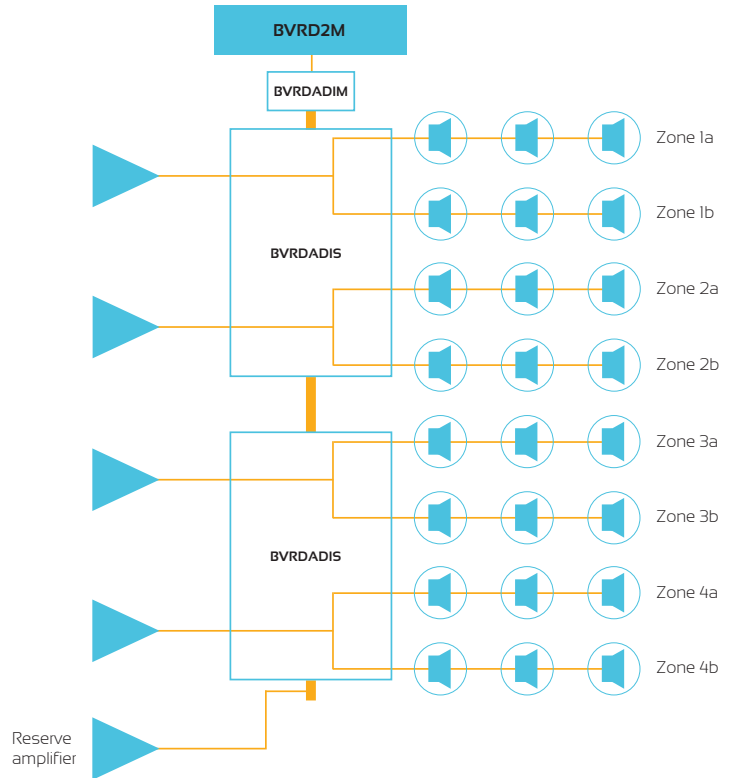
- Maximum of 225W load per loudspeaker line.
- Each loudspeaker requires a 2.2µf 250V DC capacitor fitted. Please request from your loudspeaker supplier.
- Each end-of-line loudspeaker requires a 10K 2W (at 1% tolerance) resistor fitted across the line. (Supplied free of charge on request.)

## 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.
- 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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