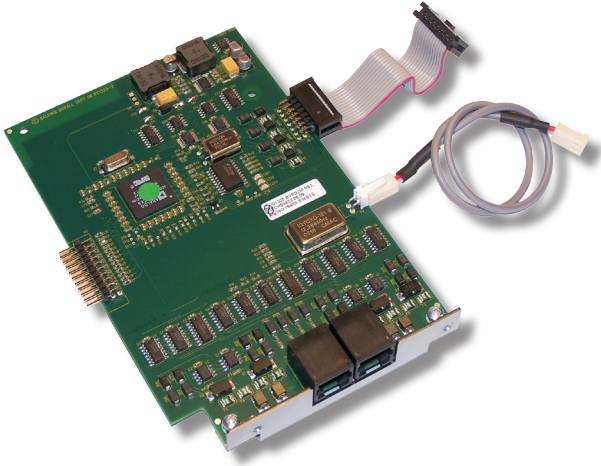


VIGIL2 DSP Networking

Certified to BSEN54



The BVRDNET provides a digital networking solution for the VIGIL EVAS DSP-controlled voice alarm routers (BVRD2M and BVRD2M4).

VIGIL 2

FEATURES:

- Connected in a loop configuration
- Minimises cabling requirements.
- Continues to function in the event of cabling damage at a single location.
- The network can be copper, multi mode fibre, single mode fibre or any combination of these.
- Two RS485 and up to fourteen concurrent audio channels.
- Network status indicators.
- Fully monitored.
- Optional system reset feature.
- Up to 126 systems can be digitally networked - multiple copper / fibre loops required for systems greater than 36 nodes.

BVRDNET & BVRDNET2M4:

- The BVRDNET controller is a factory fitted option for the BVRD2M (BVRDNET2M4 for the BVRD2M4).
- Configured from the router's control menu.
- Connector for optional system reset feature (two-pin) header.
- Connector for clockwise network cable (CAT5 patch lead).

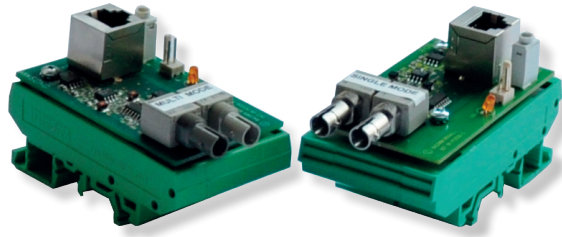
- Connector for anti-clockwise network cable (CAT5 patch lead).
- Slow speed option providing six concurrent audio channels with two RS485 channels.
- Fast speed option providing fourteen concurrent audio channels with two RS485 channels.
- Audio bandwidth is 30Hz-20kHz.

BVRDCIF (copper):

- The BVRDCIF is a DIN rail mounted connection to copper network sections. (Two BVRDCIF required per BVRDNET/2M4).
- CAT5 patch lead connection to BVRDNET/2M4 clockwise or anti-clockwise connector.
- LED to indicate valid data reception.
- Screw terminals for two transmit conductors and two receive conductors (preferably twisted pair).
- Screw terminal for ground.
- Typical maximum distance of 300m at slow speed and 200m at fast speed. (Greater distances possible with some cable types.)



(Please see over for fibre options)



BVRDFIF (multi mode fibre):

- The BVRDFIF is a DIN rail mounted connection to multimode fibre network sections. (Two BVRDFIF required per BVRDNET/2M4).
- CAT5 patch lead connection to BVRDNET/2M4 clockwise or anti-clockwise connector.
- LED to indicate valid data reception.
- Industry standard ST connectors for fibre termination.
- Screw terminal for ground.
- Supports multimode fibre types OM1 (62.5/125), OM2 (50/125) and OM3 (50/125).
- Typical maximum distances for slow and fast speed connections of 3km (OM1), 2Km (OM2) and 2km (OM3).

BVRDFIFS (single mode fibre):

- The BVRDFIFS is a DIN rail mounted connection to single mode fibre network sections. (Two BVRDFIFS required per BVRDNET/2M4).
- CAT5 patch lead connection to BVRDNET/2M4 clockwise or anti-clockwise connector.
- LED to indicate valid data reception.
- Industry standard ST connectors for fibre termination.
- Supports single mode fibre types OS1 (9/125) and OS2 (9/125).
- The optical cable maximum distance for OS1 is 2km and for OS2 is 4km.

SYSTEM DESIGN:

- For assistance with system networking and design please contact: sales@baldwinboxall.co.uk.

PLEASE NOTE:

It is the responsibility of the installer to provide appropriate fibre termination equipment and fibre patch leads to connect to Baldwin Boxall fibre Interfaces (BVRDFIF, BVRDFIFS, BV3FIFM & BV3FIFS). This termination equipment should be located in the immediate vicinity of the Voice Alarm equipment or (space permitting and by prior arrangement) within the Voice Alarm Equipment enclosures. BS5839-8 should be consulted regarding selection of appropriate Fire Rated Fibre connection.



BALDWIN BOXALL
LEADING THE WAY TO SAFETY

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