DSP
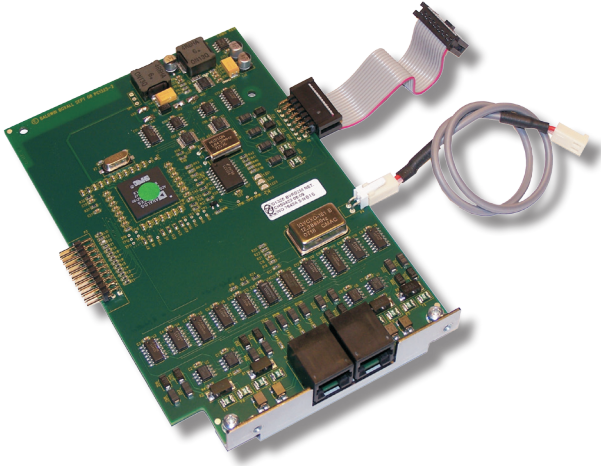# Networking

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.

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).

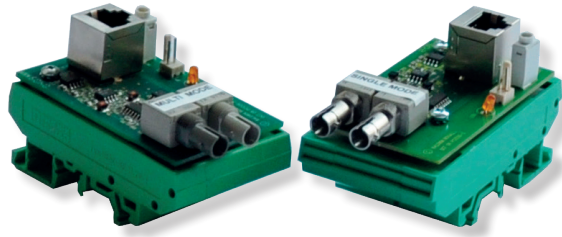- Connector for anti-clockwise network cable (CAT5 patch lead).

- 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.)

VOICE ALARM
PUBLIC ADDRESS

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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).

- Typical maximum distances for slow and fast speed connections of 4km.

SYSTEM DESIGN:

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

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