

Intelligent Microphone

Certified to BSEN54



VIGIL Microphones

FEATURES:

- Available in six versions - from one-zone up to 32-zone.
- Communicate with the main control system via an RS485 link.
- A standard RJ45 (CAT5 network) cable is used to carry both audio and serial data.
- Microphones can be linked together (via wall sockets - product code BMS8) and connected to a single input at the control rack.
- The BDM401 can also be operated as a parallel microphone. This option is selected internally by jumpers. (Factory setting is for serial operation.)
- Ergonomic design with all buttons and indicators mounted behind a stylish overlay that allows zone button labels to be inserted and protected.
- The dynamic cardoid microphone capsule can be set for either monitored or unmonitored use during configuration.
- 'Zone status' indicators show if a zone is currently selected or in use.
- 'All call' paging (except BDM401).
- 'Speak now' indicator to show the user when a pre-announcement chime has finished.
- Simple bar graph display shows the user the current speech volume, ensuring a clear announcement is made.
- 'Data' and 'DC' indicators to show the unit is functioning correctly.

BDM400 is a black and silver range of intelligent microphones designed to provide a wide variety of features to suit any installation.

- Zonal fault indicators are included to show when a fault is evident on the system.
- Fault accept button.
- Option to fit flip-top switches to enable DVA (digital voice announcement) messages to be broadcast.

INTERFACE SOCKET:

- The BMS8 is a flush mounted wall socket for BDM400 microphones.

OTHER MICROPHONES & CONTROLLERS AVAILABLE:

- BFM400 range of emergency fire microphones.
- BVRD range of voice alarm controllers.
- Unitouch PC touchscreen paging station.
- BDM300 range of paging microphones.
- BVRAMB ambient noise sensing microphone.

SYSTEM DESIGN:

System design is part of our commitment to provide a complete service from the initial planning stage through installation to after-sales technical support.

Our extensive range of standard products has been designed to accommodate most installation requirements. However our experienced design team often cater for projects that require bespoke solutions.

If you require any assistance with our products, or help with system design, please contact sales@baldwinboxall.co.uk.

Specifications:

| | BDM401 | BDM404/408 | BDM416 | BDM424 | BDM432 |
|------------------------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|
| Audio | | | | | |
| Normal output level | 700mV | | | | |
| Maximum output level (limiter operating) | 1.5V | | | | |
| Output impedance | 400 ohms | | | | |
| Frequency response | 250Hz-10kHz | | | | |
| General | | | | | |
| Power requirements (24V DC) | 26mA standby (30mA max) | 35mA standby (70mA max) | 42mA standby (108mA max) | 52mA standby (150mA max) | 62mA standby (200mA max) |
| Dimensions mm WxHxD | 148 x 48 x 177 | | 275 x 48 x 177 | 398 x 48 x 177 | 523 x 48 x 177 |
| Sub-membrane 16mm cutouts | 3 | 3 | 7 | 9 | 12 |
| Data serial link | RS485 9600 BR | | | | |
| Finish | RAL 9005 | | | | |
| Weight kg | 1.02 | 1.02/1.04 | 1.48 | 2 | 2 |

CABLE REQUIREMENTS:

CAT5 - 4 pairs screened.



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