Emergency Fire Microphone

BFM400 is a range of fully monitored emergency fire microphones that provide a wide variety of features to suit any installation.

VIGIL | Microphones

FEATURES:

- The BFM404 and BFM408 multi-zone microphones communicate with the main control system via an RS485 communications link.

- The single zone BFM401 can be set to connect via RS485 or a parallel hard-wired connection.

- Housed in a sealed (IP66) lockable steel enclosure.

- All buttons and indicators mounted behind a stylish overlay - allowing zone button labels to be inserted and protected.

- 'Zone select' buttons and 'all call' button.

- The fist microphone capsule can be set for either monitored or unmonitored use during configuration.

- Option to fit a 'processor bypass' hard-wired press-to-talk switch.

- Option to fit flip-top switches to enable DVA (digital voice announcement) messages to be broadcast.

- 'Zone status' indicators show if a zone is currently selected or in use (BFM404 and BFM408).

- 'Speak now' indicator.

- Simple bar graph display shows the user the current speaking volume, ensuring a clear announcement is made.

- 'Data' and 'DC' indicators confirm the unit is functioning correctly.

- A 'common fault' indicator is included to show the user if a fault is evident on the system.

CABLING:

- Serial: to avoid the possibility of interference between the audio and data we recommend each microphone is connected using one two-core fire rated cable for audio and one four-core for data and power.

- Parallel: six core fire rated cable (BFM401 only).

- Note: Baldwin Boxall recommends using fire rated cable. Enhanced cable may be required in certain large and complex buildings - see below.

BS5839 Part 8: fire resistant cabling:

BS5839 part 8:2008 - enhanced fire resisting cabling required in unsprinklered buildings:

- Needing evacuation in four or more phases.
- Greater than 30m high.
- Where a fire in one area could effect critical cables associated with areas remote from the fire.
- Or, any buildings that a specifier/authority considers that enhanced cabling is necessary.

(Please refer to BS5839 part 8:2008 for a full explanation).

RACK MOUNT EMERGENCY MICROPHONE PANEL:

- The BFM01RM is an 'All call' emergency microphone in a 1U rack mount panel (image below).
- Integral microphone and 'push to call' button.
- Red panel.

Requires a BVRDIF2 with transformer option for installation in VA rack.

VOICE ALARM

BALDWIN BOXALL
LEADING THE WAY TO SAFETY

Specifications:

	BFM401	BFM404/BFM408
Audio		
Nominal output level	700mV	
Maximum output level (limiter operating)	1.5V	
Output impedance	400 ohms	
Frequency response	150Hz-5kHz	
General		
Power requirement (24V DC)	26mA standby (30mA max)	35mA standby (70mA max)
Dimensions W x H x D mm	300 x 200 x 82	
Bezel overall size W x H mm	340 x 240	
Bezel cutout W x H mm	306 x 206	
Serial data link	RS485 9600 baud	

CABLE REQUIREMENTS:

Fire rated cable must be used when installing the BFM microphone.

Recommended: 0.63mm, four twisted pairs, screened, 24V or 2 x 4 core, 1.5mm.