DATA SHEET DS80-01

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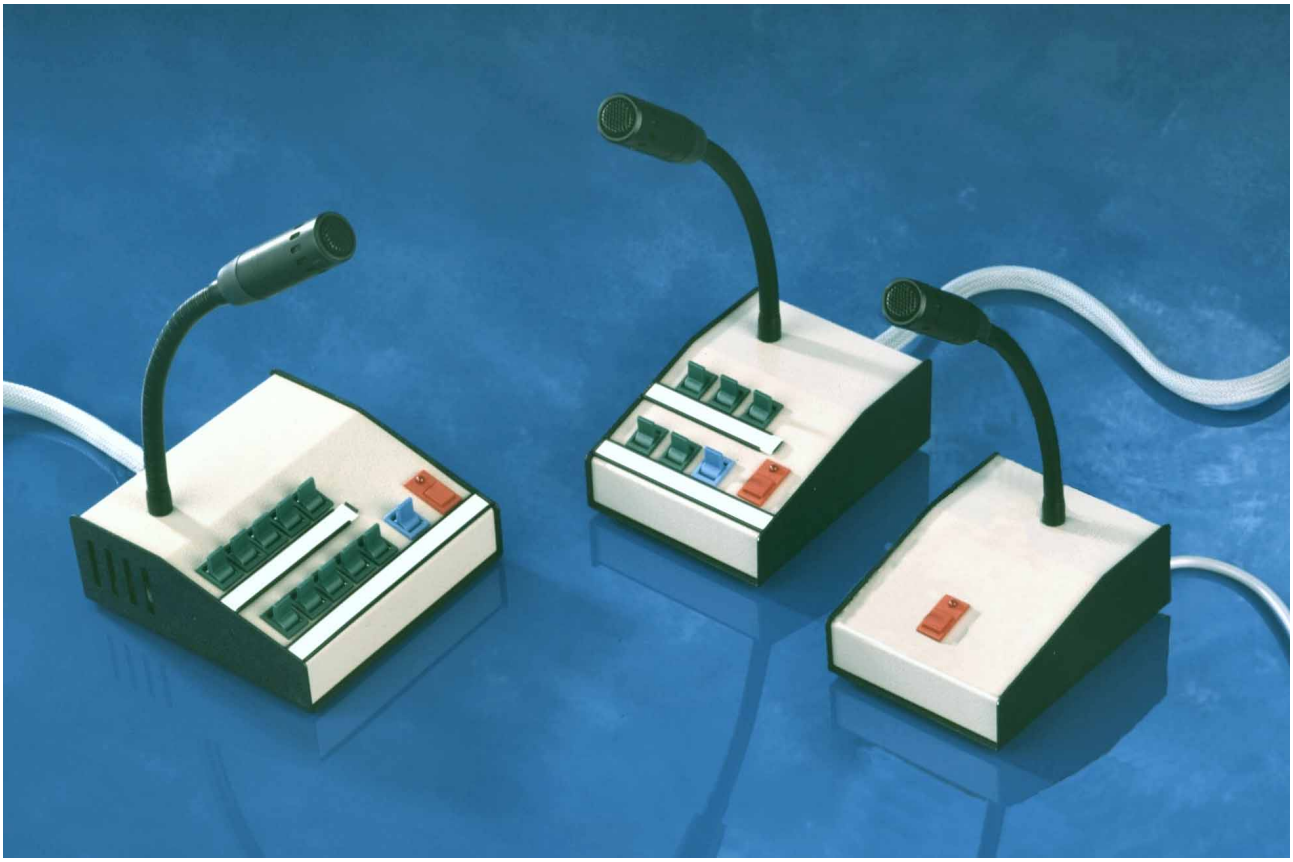
DESK PAGING MICROPHONES
DM/1 - DM/5 - DM/10



GENERAL DESCRIPTION

Three standard versions of the DM paging microphone are available, featuring press-to-talk button, locking zone select keys, system busy lamp, and a balanced low impedance cardioid microphone head on a matt black 200mm swan neck. Each unit is ready wired with captive cables.
For larger systems we can design and manufacture to customers specific requirements. A factory fitted internal pre-amplifier is available for use with long microphone lines, phantom or conventionally powered.

MAIN FEATURES -

- Cardioid pick-up pattern
- Stable steel and aluminium construction
- Legend strip for easy key identification
- Colour coded keys
- Low handling noise
- Smart textured paint finish
- Full compatibility with Mustang amplification
- High level balanced line output option
- Diode isolated switching
- Muted capsule for greater security

DM RANGE DESK PAGING MICROPHONES

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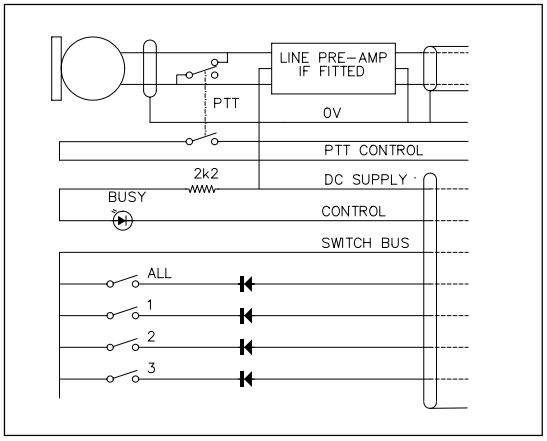
TECHNICAL SPECIFICATIONS

	DM/1	**DM/5**	**DM/10**
Zone switching	None	5 zones	10 zones
Microphone capsule	Dynamic, cardioid pattern, on 200mm non-reflective black finish swan neck. Normally muted by PTT switch (shorted).		
Audio output configuration	200 ohms balanced, floating		
Sensitivity	-70dB relative 1V/Pa		
Frequency response	±3dB 100Hz - 10kHz ref 1kHz		
Press-to-Talk output	Volt-free contacts: 1A 50V DC snap action momentary push switch		
Zone control output	.	Individual ZONE switching referenced to common switching bus. Diode isolation. 1A 50V DC contacts. Latching action. ALL ZONE switch is referenced to common switching bus with diode isolation. No direct or indirect connection to individual zone keys. 1A 50V DC contacts. Latching action	
Busy light	Red LED powered from +DC bus via 2k2. Requires switching to 0V via input cable to energise. Note: Not possible to use phantom supply for this function.		
Construction & finish	Two-piece steel and aluminium with textured acrylic finish. Base - steel, coloured dark grey textured; top aluminium coloured light grey semi-gloss.		
Cable	8 core screened, (6 used), 1.8M length, unterminated	12 core screened (9 used) and 4 core screened, braided together 1.8M length unterminated	15 core screened (14 used) and 4 core screened, braided together 1.8M length unterminated
Size WxHxD mm	118 x 60 x 160		155 x 60 x 160
Unit weight - net	700gm	850gm	935gm
Shipping (gross)	1300gm	1450gm	1535gm
	0.03cu.M Individually boxed		

OPTIONAL LPA.1 FACTORY FITTED HIGH LEVEL LINE OUTPUT

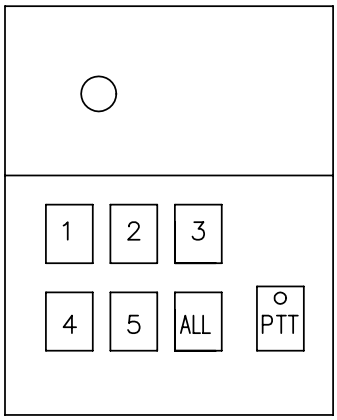
Output	Nominally -20dB to 0dB internally adjustable, balanced into 600 ohm load. Maximum output 6V RMS off load.
Power requirement	24V DC (recommended) @ 3.5mA. 12V DC @ 1.2mA. Limits 6 - 34V DC. May be phantom powered, or powered conventionally, by dedicated conductor.



General wiring arrangement of DM bases showing the diode isolation

Due to the versatility of design, it should be possible to integrate the DM range into any PA control format.

If in doubt, please contact our technical support staff for guidance.



General key allocation of a DM/5 base. DM/10 is similar.

QUALITY ASSURANCE

Guided by a policy of non-obsolescence, every part for the DM range is carefully manufactured direct from raw materials to ensure total control of all aspects of quality and delivery. All procedures meet our internal Quality Assurance standards, which in turn are maintained to ISO.9002.

CONTACT

We will be pleased to receive enquiries regarding application of these transformers, either by phone, fax, or email.

In the interests of continuous development, specifications are subject to change without notice.

CE Electromagnetic compatibility (EMC) directive 89/336/EEC and amendment directive 92/31/EEC

This equipment has been designed and manufactured to the highest standards. If connected and operated as set out in this manual, there should be no Electromagnetic Compatibility problems. If any aspect of operation gives rise to concern, then please contact the manufacturer for advice.