



## MILLBANK DPM900 & LR900 Series

### Desk Paging Microphones and Level Raising Amplifiers



#### Features

- Cardioid response
- With long line level raising amplifier option
- With or without zone selection
- Pre-wired, wall or desk mounting
- With surveillance tone options

#### DPM 900 Series Paging microphones

A range of robust and stable microphones, attractively styled for desk or wall mounting within office and administrative areas.

Three standard models are available within the range, each supplied with two metres of 4-core screened cable providing balanced microphone and input access. The cable is terminated with a 5-pin 180° DIN plug. An adaptor lead is also supplied with each microphone to ensure compatibility with most makes of amplifier.

In addition, the two Multi-zone models DPM 904 and DPM 908 are pre-wired with two metres of zone cables (1x7 way and 1x12 way respectively).

The Level Raising Amplifier (LR900) can be fitted in the base of all three microphones, enabling long cable runs. All Millbank microphones have a cardioid response for effective noise free performance.



#### DPM 900

Fitted with a non-latching press-to-talk push button and a "Busy" indicator LED (not wired)

#### DPM 904

Fitted with a non-latching press-to-talk push button, four single pole zone selection rocker switches and a "Busy" indicator LED (not wired)



#### DPM 908

Fitted with a non-latching press-to-talk push button, eight single pole zone selection rocker switches and a "Busy" indicator LED (not wired)



#### DPM 820 Gooseneck microphone

The 300mm cardioid gooseneck mounted microphone is included in the Millbank microphone range for installations which require panel mounted microphones.





## DPM900 &amp; LR900 Series



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Technical specification		DPM 900 - DPM 904 - DPM 908 - DPM 820		
Impedance		200 Ohms floating		
Sensitivity		-83dB $\pm$ 3dB (ref 8dB = 1V/ $\mu$ BAR)		
Frequency response		150Hz - 10kHz contoured for high speech intelligibility		
Signal/Noise		Meets the relevant European DIN and Japanese JIS Standards with respect to noise pickup		
Dynamic Range		Approx. 90dB		
Polar Response		Cardioid		
"Busy" indicator		Green LED, with 2k7 series resistor fitted to suit 24-30VDC supply (not wired)		
Switches	Push-to-talk	Momentary action, 2 pole c/o push button 60V, 1A maximum		
	Zones	Locking action, single pole rocker switch 60V, 1A maximum		
Finish	Microphone	Matt black plated, semi rigid gooseneck		
	Base	Black and Blanc White eggshell powdercoat		
	Switches	Black		
Dimensions (mm)	Overall height	335 (DPM820 gooseneck microphone is 300mm long)		
	Base height	35		
	Base width	110		
	Base length	166		
Maximum net weight (kg)		1.3 (DPM900 series)		
Order codes		DPM900 - 7181406	DPM904 - 7181506	DPM908 - 7181606
		DPM820 - 7180806		

### LR900 Retrofit long line level raising amplifier option

A simple phantom powered level raising amplifier option for the DPM 900 series of paging microphones. This option operates in conjunction with a PAC-SYSTEM input pre-amplifier (IPA) or an ULTIMA integrated amplifier, enabling long microphone lines to be employed without interference.

Mounted within the microphone base, the level raising amplifier output is balanced and suitable for feeding into an ULTIMA amplifier, or an IPA 308 (PAC-SYSTEM balanced line input) which can be easily adapted via switch selection to provide the required phantom supply.

Where DPM microphones are required to operate with less sophisticated systems, the DC supply for operating the level raising amplifier may be incorporated within the microphone housing.

### LR920 and LR920K Level raising amplifiers with surveillance tone

The LR920 is a level raising amplifier which incorporates a 20Hz surveillance tone. The LR920K features a 20kHz surveillance tone.

Technical specification		LR900 - LR920 - LR920K		
Input		Unbalanced for low to medium impedance microphones		
Sensitivity		500 $\mu$ V for 300mV output		
Frequency response		150Hz - 11kHz (-3dB)		
Signal/Noise		61dB		
Supply requirement		20VDC to 30VDC at 5mA (nominal)		
Output impedance		140 Ohms		
Dimensions (mm)		40 x 70 x 22		
Net weight (g)		36		
Order codes		LR900 - 7181706	LR920 - 7181707	LR920K - 7181708

In the interests of product improvement we reserve the right to change specification or design without prior notice



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