

**AMPERES PD1240 – 24 ZONE DIGITAL DESKTOP PAGING MICROPHONE**

**Applications:**

It is suitable for medium scale installations of up to 24 zones where remote paging with zone selection is required and the paging desk is located at a distance away from the main rack. This digital controlled paging console shall minimize cabling complexity as well as data loss as control signal is transmitted via RS485 protocol.

**General Requirements:**

The paging microphone shall be a Digital microprocessor-based type that can help to minimize the complexity of cabling works.

The paging microphone shall featuring with soft touch sensor buttons for individual zone and available in 4 groups with ALL CALL, and embedded sound processor; Features available include priority level assignment, multipoint paging setup, chime and microphone volume controls as well as illuminated gooseneck microphone.

The paging microphone shall communicate with the local receivers via a digital data transmission to allow activation of various speaker zones. Announcement to the speaker zone shall either be selected from the paging console individually or with ALL CALL. A 4-tone chime shall be broadcasted together with the encoded signal prior to activation of microphone.

Zone activation indicators shall be located at the paging microphone to show the activation of the each zone.

This microprocessor paging microphone shall capable for future expansion, in which this system can be used to send paging announcement to other particular zones which is located in another blocks or vice versa, provided same equipment is supplied.

**Specifications :**

The desktop paging microphone shall comprise the following specifications:

Microphone System capsule	:	Gooseneck Condenser microphone
Microphone polar pattern	:	Unidirectional
Output Impedance	:	600 Ohm
Output Level	:	1.2V p-p Balanced Line level
Microphone gooseneck length	:	400mm
Frequency Response	:	100Hz to 12 kHz
Signal to Noise Ratio	:	>65dB @1kHz
Chime	:	4 tone chime (up/ down)
Output Volume controls	:	chime & Mic. Volume
Indicators	:	Chime active LED Ready to talk LED Zone active LED Mic. Gooseneck ring LED
Zone selection	:	24 zone keys, Group, ALL CALL
Switching selection	:	soft touch sensor buttons keypad
Operating voltage	:	24V DC
Power Consumption	:	1.2W
Line Out Connection	:	¼" stereo phone jack
Data Connection	:	RJ45 connectors
Data connections	:	RS485; 19.2 kbps
Cabling to decoder decoder	:	2 pair screen; 22 AWG / Cat 5e
Operating Distance	:	up to 500m subject to cable size.