



## PPM8

### TABLE TOP MICROPHONE CONSOLES FOR COMMERCIAL USE



#### MAIN CHARACTERISTICS

- Desktop enclosure
- Monitored CAT-5 link to controllers and slaves
- Supervision of microphone capsule (not on slave units)
- 8-zone selection keys (Expandable with additional keypads)
- All-call key
- Power indicator
- EVAC indicator
- Status and fault indicator
- Monitor speaker

#### CONTROLS AND INDICATORS

##### Front

- Three LED status indicators
- Activity indicators
- Zone selection keys-buttons
- Gooseneck microphone
- Monitor speaker

#### INTERCONNECTIONS

- RJ45 for CAT-5 connection (POE)

PPM8 is a uni-directional addressable condenser paging microphone compatible with IDA8 and DIVA8 systems. PPM8 uses RS485 protocol over a single CAT-5 cable connection to transport both audio and power from the paging console to the system units. The PPM8 has 8 zone buttons with a sleek gooseneck microphone, providing both durability and aesthetics in a slim, stable chassis.

The PPM8 enables live announcement to any pre-assigned zones (an optional SP version also allows broadcast of pre-recorded messages). The paging station has a gooseneck microphone, a push-to-talk button, zone selection keys and a monitor speaker. Buttons can represent a single zone or a group of zones and are easily defined in the software using a simple matrix selection. All buttons can be programmed with drag & drop features from the software and each button can be programmed for PTT (Push To Talk) or latching functionality.

In addition to the zone LEDs, "Hold" and "Busy" LED signals make this an extremely user-friendly paging console. The uni-directional condenser microphone ensures high-quality directive signal pick-up from the user with minimal interference from the surroundings thanks to the cardioid polar pick-up pattern. In accordance with BS5839, the PPM8 is monitored on RS485.

The RS485 communication protocol allows daisy-chaining up to 300m on a single CAT-5 cable (FTP/STP) and makes each station easy to connect using standard RJ45 connectors and the junction connection box (supplied with PPM8). If Power over Ethernet is not available, or the CAT-5 cable is over 50m long, the console can be powered locally with a 24 VDC supply.

#### Note:

There are two versions of the PPM8 paging console with identical hardware and functionality but different firmware for compatibility with different systems.

**PPM8-AS:** Used with IDA8 system and ECS system controllers and slaves

**PPM8-G2:** Used with DIVA8 system controllers

### PPM8

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#### CERTIFICATIONS AND APPROVALS

##### REGION CERTIFICATIONS

Europe	Safety	IEC 60065-98
	Immunity	according to EN50103-4

#### PARTS INCLUDED

Quantities	Components
1	PPM8-XX
1	Junction box
1	CAT-5 cable, 1,5 m

#### TECHNICAL SPECIFICATIONS

##### Electrical

##### Battery power supply

Voltage 18 - 26 VDC

Power consumption 120 mA

##### Performance

Frequency response -3 dB @ 40 Hz and 20 kHz

THD < 0,1% @ 1 kHz

Output level Max 6 dBu

Noise gate threshold -84 dBu - 24 dBu

Attack time 8 ms

Release time 100 ms

Output impedance 100 Ohm

##### Monitoring speaker

Impedance 4 Ohm

Output power 1 W @ 1 KHz

Frequency response 3 dB @ 200 to 12 kHz

##### Ordering information

Model	Description
PPM8-AS	Console device, remote paging console
PPM8-AS KEYPAD	Console accessory, expansion keypad
PPM8-G2	Console device, remote paging console
PPM8-G2 KEYPAD	Console accessory, expansion keypad
PPM/PSM/JB*	Console accessory, junction box

Note

\* Junction box is supplied with PPM8-XX

##### Cable

Cable type CAT-5 (FTP)

Length 100 m

##### Mechanical

Dimensions (H x W x D) 50 x 105 x 190 mm  
350 x 105 x 190 mm (incl. gooseneck)

Weight 4.7 kg (10.4 lb)

Colour RAL7016

##### Environmental

Operating temperature -5 °C to +55 °C (+23 °F to +131 °F)

Storage temperature -40 °C to +70 °C (-40 °F to +158 °F)

Relative humidity 15% to 90%

Air pressure 600 to 1100 h Pa

IP-rating 30

##### Ordering information

PPM8G2-Vxx (For DIVA8 System)

PPM8AS-Vxx (For IDA8 System & ECS)

#### INSTALLATION NOTES

1. Microphone
2. Monitor loudspeaker
3. FAULT indicator
4. EVAC indicator
5. POWER indicator
6. BUSY indicators
7. SELECTION indicator
8. ALL-CALL indicator
9. ALL-CALL and RELEASE
10. Push To Talk button
11. TALK indicator
12. BUSY indicator

