ATEÏS®

PPM-AS PSM
(For IDA8 Systems)   (For DIVA Systems)

PROGRAMMABLE PAGING MICROPHONE

MAIN CHARACTERISTICS

> Monitored STP CAT5/6 link to controllers and slave units

> Supervision of microphone capsule (not on slave units)

> Automatic gain control on microphone input

> 8 zone selection keys (expandable with additional keypads)

PPM-AS/PSM is an unidirectional addressable condenser paging microphone for the IDA8 and DIVA system. In accordance with BS5839, it is monitored by using RS485 protocol over STP CAT5/6 cable, and transmits both audio and power from the paging console to the system units. The PPM-AS/PSM has 8 zone buttons with a sleek gooseneck microphone, providing durability and aesthetics in a slim, stable chassis.

The PPM-AS/PSM enables live announcement to any pre-assigned zones. The paging station has a gooseneck microphone, a push-to-talk button, zone selection keys and a monitor speaker. Buttons represent a single zone or a group of zones and be easily defined in the software using a simple matrix selection. All buttons can be programmed from ATEÏS Studio 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 PPM-AS/PSM an extremely user-friendly paging console. Thanks to the cardioid polar pick-up pattern, the condenser microphone ensures the high-quality and directive signal pick-up with minimal interference from the surroundings.

The RS485 communication protocol allows daisy-chain wiring up to 300m on a single CAT5/6 cable (FTP/STP) and makes each station easy to connect by using standard RJ45 connectors. The junction box supplied with PPM-AS/PSM allows multiple peripherals such as PPM-AS, PSM, CD8, CD16, and URC to be cascaded with the distance of up to 300m between a peripheral and a junction box, and up to 10 peripherals can be connected via junction boxes on one processor. In addition, the junction box can be powered from the processor or 24VDC local power supply.

There are two versions of the PPM paging console with identical hardware and functions, the firmware is different with different systems.
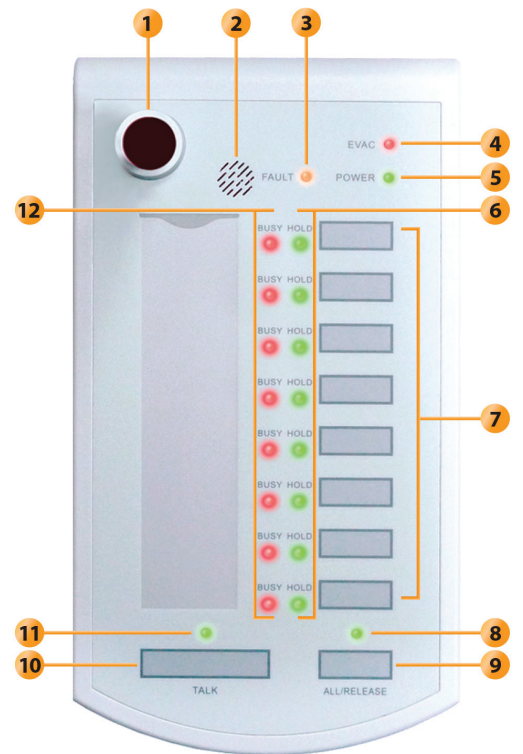
PPM-AS
Used with IDA8 system

PSM
Used with DIVA system

CONTROLS AND INDICATORS

1. Gooseneck microphone

2. Monitor loudspeaker

3. Fault indicator

4. Evac indicator

5. Power indicator

6. Hold indicators

7. Zone selection buttons

8. All call/release indicator

9. All call/release button

10. Talk button

11. Talk indicator

12. Busy indicators

BY

PENTON

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INTERCONNECTIONS

> Rear
>> • RJ45 for STP CAT5/6 connection

ELECTRICAL

Power supply	Directly from DSP (IDA8/DIVA)
External supply (optional)	18-26VDC
Power Consumption	120mA

AUDIO CHARACTERISTICS

> Frequency response: ±3dB @ 200Hz to 8kHz
> THD: < 1% @ 1kHz
> Max output level: 6dBu
> Noise gate threshold: -84dBu ~ -24dBu
> Attack time: 8ms
> Release time: 100ms
> Output impedance: 100ohm
> Monitoring speaker
>> • Impedance: 4ohm
>> • Output power: 1W @ 1kHz
>> • Frequency response: ±3dB @ 200Hz to 12kHz
> System connection
>> • Cable type: CAT5/6, (FTP)
>> • Length: 100m

PARTS INCLUDED

Quantities	Components
1	PPM-AS/PSM
1	Junction box (optional)
PPM-KP	PPM keypad (optional)
1	CAT5 cable, 10 pin, 1.5m

MECHANICAL

> Dimensions (W x H x D)
>> ▪ PPM-AS/PSM base: 105 x 50 x 190mm (4.1 x 2 x 7.5 inch)
>> ▪ PPM-AS/PSM with microphone: 105 x 350 x 190mm (4.1 x 13.8 x 7.5 inch)
> Weight: 0.7kg (1.54lbs)
> Color: RAL7035

ENVIRONMENTAL

> Operating temperature: -5°C ~ +55°C (+23°F ~ +131°F)
> Storage temperature: -40°C ~ +70°C (-40°F ~ +158°F)
> Relative humidity: 20% to 95%
> Air pressure: 600 to 1100hPa
> IP rating: 30
> Heat dissipation: 10 BTU/hr

ORDERING INFORMATION

> For IDA8 System
>> ▪ PPM-ASWJB: Programmable Paging Microphone with Junction Box
> For DIVA System
>> ▪ PSMV3WJB: Programmable Paging Microphone with Junction Box
> PPM-KP: Keypad for PPM-AS/PSM/PPM-SP

Manufacturer reserves the right to alter specifications without notice

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Penton UK Ltd.
Unit 2, Teville Industrials, Dominion Way, Worthing, West Sussex, BN14 8NW, UK
+44 (0)1903 215315 • sales@pentonuk.co.uk • www.pentonuk.co.uk

www.pentonuk.co.uk

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