

PPM-AS PSM / PPM-SP



Programmable Paging Microphone

PPM-AS/PSM/PPM-SP is an unidirectional addressable condenser paging microphone for 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/PPM-SP has 8 zone buttons with a sleek gooseneck microphone, providing durability and aesthetics in a slim, stable chassis.

The PPM-AS/PSM/PPM-SP 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 ATEIS 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 cardioids polar pick-up pattern, the unidirectional 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 PPM JB junction box allows multiple peripherals such as PPM-AS, PSM, CD-8AS, CD-8, CD-16AS, CD-16, and URC-150AS to be cascaded with the distance of up to 300m between a peripheral and a PPM JB junction box, and up to 10 peripherals can be connected via PPM JB junction boxes on one processor. In addition, the PPM JB can be powered from the processor or 24VDC local power supply.

There are four 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
- **PPM-SP:** Used with LAPG2T and UAPG2 system

FEATURES

- Supervised link to controllers and slave units via STP CAT5/6 with metal shielded RJ45 connector
- Supervision of microphone capsule (not on slave units)
- Automatic gain control on microphone input
- 8 zone selection keys (expandable with optional PPM-KP keypads)

The PPM JB is a digital junction box which can extend the wiring distances and increase the number of peripherals such as PPM-AS, PSM, PPM-SP, PSS-AS, PSS-G2, CD-8AS, CD-8, CD-16AS, CD-16, URC-150AS, URC-150, DNM-485 etc. with IDA8/ECS/LAP G2T processor.

FEATURES

- RS485 protocol
- Cascade with the distance of up to 300m between a peripheral and a PPM JB
- Powered from the processor or 24VDC local power supply
- See the following table of the max. peripherals using PPM JB junction box on one IDA8C processor as below

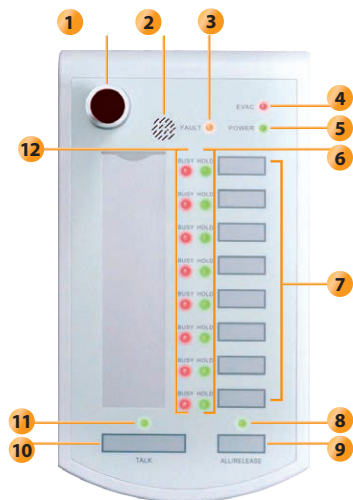
Device	Max. Num*	Device	Max. Num*	Device	Max. Num*
PPM-AS	32 (parallel mode) 4 (cascade mode)	URC-150AS	32	DNM-485	16
PSC-AS		CD-8AS		PSS-AS	
		CD-16AS		CD-TOUCHAS	



PPM JB
Digital Junction Box

PPM-AS / PSM / PPM-SP

Programmable Paging Microphone



CONTROLS AND INDICATORS

- | | |
|-------------------------|-------------------------------|
| 1. Gooseneck microphone | 7. Zone selection buttons |
| 2. Monitor loudspeaker | 8. All call/release indicator |
| 3. Fault indicator | 9. All call/release button |
| 4. Evac indicator | 10. Talk button |
| 5. Power indicator | 11. Talk indicator |
| 6. Hold indicators | 12. Busy indicators |

INTERCONNECTIONS

- Rear
 - Speaker volume control
 - Mic volume control
 - Terminator switch for Master-Slave connection with PPM JB
 - IDC connector (PPM-AS links to PPM-KP)
 - RS485 for CAT5/6 connection with metal shielded RJ45 connector

ELECTRICAL

- Mains power supply
 - Voltage: 18 ~ 30 VDC
 - Power consumption: 2.88W

AUDIO CHARACTERISTICS

- Frequency response: -3 dBu @ 200 to 12 kHz
- THD: < 1% @ 1 kHz
- Max output level: 6 dBu
- Loudspeaker maximum power: 1W @ 1 kHz
- Loudspeaker frequency response: -3 dBu @ 200 to 12 kHz
- System connection
 - Cable type: STP CAT5/6 with metal shielded RJ45 connector, 10 pin
 - Length: 100m

PARTS INCLUDED

Quantities	Components
1	PPM-AS/PSM/PPM-SP
1	CAT5 cable, 10 pin, 1.5m
NA	PPM JB junction box (optional)
NA	PPM-KP expansion keypad (optional)

MECHANICAL

- Dimensions (W x H x D)
 - PPM-AS/PSM/PPM-SP base: 105 x 50 x 190 mm (4.1 x 2 x 7.5 inch)
 - PPM-AS/PSM/PPM-SP with microphone: 105 x 350 x 190 mm (4.1 x 13.8 x 7.5 inch)
- Weight: 0.7 kg (1.54 lbs)
- 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 1100 hPa
- IP rating: 30
- Heat dissipation: 10 BTU/hr

ORDERING INFORMATION

- For IDA8 System
 - PPM-AS: Programmable Paging Microphone
 - PPM-ASWJB: Programmable Paging Microphone with Junction Box
- For DIVA System
 - PSM: Programmable Paging Microphone
 - PSMV3WJB: Programmable Paging Microphone with Junction Box
- For LAPG2T and UAPG2 System
 - PPM-SP: Programmable Paging Microphone
 - PPM-SPWJB: Programmable Paging Microphone with Junction Box
- PPM-KP: Keypad for PPM-AS/PSM/PPM-SP



ATEIS Europe B.V.

Celsiusstraat 1 - 2652 XN Lansingerland (Rotterdam Region), Netherlands
 Tel: +31 (0)10 2088690 | www.ateis-europe.com | info@ateis-europe.com