



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

TABLE TOP MICROPHONE CONSOLES FOR COMMERCIAL USE

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

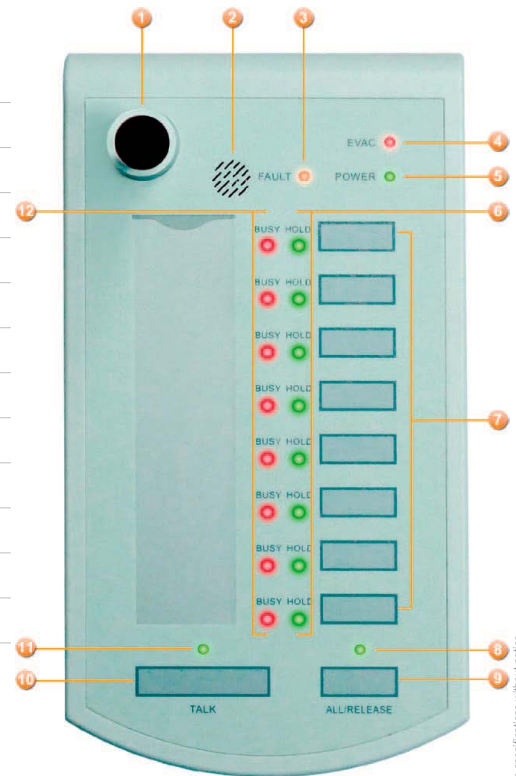
| | |
|-----------------------|--------------------------------------|
| Operating temperature | -5 °C to +55 °C (+23 °F to +131 °F) |
| Storage temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Relative humidity | 15% to 90% |
| Air pressure | 600 to 1100 h Pa |
| IP-rating | 30 |

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 |

Ordering information

| | |
|------------|-------------------------|
| PPM8G2-Vxx | (For DIVA8 System) |
| PPM8AS-Vxx | (For IDA8 System & ECS) |



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ATEIS reserves the right to change specifications without notice.
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