

MODEL: TMP-060Z

CONVENTIONAL 2 WAY TALK BACK PAGING STATION



KEY FEATURES

- Full-Duplex Audio - Supports uninterrupted two-way communication for clear and reliable conversations.
- Advanced Acoustic Processing - Adaptive noise suppression and echo cancellation ensure superior voice reproduction.
- High-Sensitivity Microphone - MEMS-based design for accurate voice capture even in challenging environments.
- Optimized Voice Clarity - Tailored frequency response for enhanced speech intelligibility.
- Ergonomic Control Interface - Tactile buttons engineered for precision operation and long-term reliability.
- Flexible Communication Options - Individual call selection with group communication capability.
- Push-to-Talk Functionality - Integrated with intelligent speech enhancement algorithms for improved performance.
- User-Friendly Display - High-contrast LCD panel with LED indicators for call alerts and system diagnostics.
- Audible & Visual Alerts - Built-in buzzer for incoming call notifications and LED indicators for real-time status of calls and power supply.
- Durable Construction - Ruggedized ABS enclosure designed for impact resistance and long-lasting durability.

The Triobrics Conventional 2-Way Talk Back Paging Station is a microcontroller-based advanced evacuation communication unit engineered to deliver reliable, high-fidelity voice transmission in emergency scenarios such as fires. Designed to guide occupants to safety, it is a vital component for emergency preparedness across commercial, industrial, and public infrastructure. Supporting full-duplex communication, real-time diagnostics, and seamless integration, the unit ensures superior speech clarity and dependable performance in mission-critical environments. With advanced acoustic processing, robust connectivity, and adaptability, it is ideally suited for deployment in malls, hospitals, high-rise buildings, industrial automation and control systems, security and surveillance hubs, transportation networks, and large-scale public address or mass notification systems.

TECHNICAL SPECIFICATIONS

| Parameter | Specification |
|-------------------------|---|
| Microcontroller | Integrated high-performance microcontroller |
| Power Input | 12 V DC |
| Audio Output Power | 2 W RMS |
| Microphone Type | High-performance electret condenser with adaptive noise filtering |
| Speaker System | High-efficiency transducer with built-in amplifier |
| Frequency Response | 300 Hz - 4 kHz |
| Communication Interface | RS-485 |
| Operating Temperature | -20°C to +60°C |
| Enclosure Material | High-durability ABS plastic |
| Mounting Configuration | Desktop installation |