

MODEL: TPI-006A

ADDRESSABLE 2 WAY TALKBACK SPEAKER



KEY FEATURES

Communication & Audio Performance

- Half-duplex communication for clear, interference-free two-way audio.
- Precision-engineered speaker module ensures high voice intelligibility with minimal distortion.
- Optimized frequency response tailored for crisp and natural speech reproduction.
- Wide acoustic coverage for effective communication even in high-noise environments.
- Durable, tactile “Press to Call” button for immediate connectivity with the control room.
- Compact, modern design for seamless integration into diverse installations

Installation & Wiring Efficiency

- Optimized wiring topology reduces cabling density and installation complexity.
- Designed for quick deployment, lowering setup time and overall installation costs.

System Reliability & Protection

- Built-in fault detection and self-diagnostic features for enhanced operational reliability.
- Reverse polarity protection safeguards circuits, ensuring long-term system durability.

The Triobrics Addressable 2-Way Talkback Speaker is engineered for reliable half-duplex communication with control or security rooms, ensuring clear and structured audio exchange, particularly during emergencies. Equipped with LED indicators for real-time operational feedback, the unit enables one-way-at-a-time communication to prevent interference and maintain message clarity. Activating the “Press to Call” button automatically signals the Talkback Controller, which processes and routes the audio to the monitoring speaker, providing seamless and dependable interaction in critical situations.

TECHNICAL SPECIFICATIONS

Category	Parameter	Specification
Electrical	Operating Voltage	+24V DC
	Speaker Operating Voltage	100V
	Speaker Output Powe	6 W
	Current Consumption	< 150 mA
	Power Input	Terminal block connectors for +24V DC input
	Speaker Output	Terminal block connectors for 100V line audio transmission
Audio Performance	Sound Pressure Level (SPL)	90 dB @ 1W/1m (measured at 1 kHz)
	Acoustic Design	Engineered speaker grille for optimal sound dispersion
Communication	Data Communication	RS-485 half-duplex via shielded twisted pair wiring
System Reliability	Fault Detection	Integrated real-time monitoring circuit for diagnostics
	Polarity Protection	Built-in reverse polarity protection circuitry
Mechanical	Enclosure Material	Mild Steel (MS) with corrosion-resistant powder coating
	Mounting Configuration	Surface-mount and recessed mounting options
	Dimensions (H × W × D)	210 mm × 140 mm × 90 mm (±5%)
	Weight	Approx. 1.5 kg
	Colour Options	Standard red (customizable upon request)
Environmental	Ingress Protection	Non-IP rated; suitable for indoor installations
	Operating Temperature Range	-20° C to +60° C
	Storage Temperature Range	-20° C to +65° C
	Relative Humidity	Up to 95%