

## MODEL: TPI-306A

### 3-IN-1 ADDRESSABLE 2 WAY TALK BACK SPEAKER



### KEY FEATURES

- Half-duplex communication for clear, structured, and interference-free two-way audio transmission.
- High-clarity speaker module engineered for excellent voice intelligibility with minimal distortion.
- Optimized frequency response ensures crisp and natural speech reproduction.
- Wide acoustic coverage enables effective communication, even in high-noise environments.
- Durable, tactile “PRESS TO CALL” button for immediate connectivity with the control room.
- Built-in Manual Call Point (MCP) and hooter operate independently, without requiring an additional fire panel, reducing infrastructure and installation costs.
- Compact, modern design allows seamless integration into a wide range of installations.
- Optimized wiring topology minimizes cabling density, simplifying installation and lowering costs.
- Integrated fault detection and self-diagnostic features ensure consistent system reliability.
- Reverse polarity protection safeguards circuits against wiring errors and enhances long-term durability.

Triobrics 3-in-1 Addressable 2 way Talk Back speaker is an integrated emergency response unit combines a Manual Call Point (MCP), hooter, and talkback speaker in a single compact device, delivering three critical functions essential for effective emergency management. In the event of a fire or emergency, breaking the MCP glass instantly triggers an alarm, activates the hooter, and transmits a signal to the control room for immediate action. The hooter provides a loud and distinctive audible alert to warn occupants and nearby personnel, while the built-in talkback speaker enables two-way communication with the control or security room once the alarm is acknowledged, ensuring clear, real-time coordination during critical situations.

## TECHNICAL SPECIFICATIONS

| Parameter                   | Specification   |
|-----------------------------|---|
| Operating Voltage           | +24 V DC  |
| Current Consumption         | < 650 mA  |
| Power Input                 | Terminal block connectors for +24 V DC input                              |
| Speaker Operating Voltage   | 100 V   |
| Speaker Output Power        | 6 W   |
| Sound Pressure Level (SPL)  | 90 dB @ 1 W/1 m (measured at 1 kHz)                                       |
| Acoustic Design             | Precision-engineered grille for optimal sound dispersion                  |
| Speaker Output              | Terminal block connectors for 100 V line audio transmission               |
| Data Communication          | RS-485 half-duplex interface via shielded twisted pair wiring             |
| Fault Detection             | Integrated real-time monitoring circuit for continuous system diagnostics |
| Polarity Protection         | Built-in reverse polarity protection circuitry                            |
| Enclosure Material          | Mild Steel (MS) with corrosion-resistant powder coating                   |
| Mounting Configuration      | Surface-mount and recessed mounting options                               |
| Dimensions (H × W × D)      | 356 × 145 × 90 mm (±5%)   |
| Weight                      | ~1.5 kg   |
| Colour Options              | Standard red (customizable on request)                                    |
| Ingress Protection          | Non-IP rated; suitable for indoor installations                           |
| Relative Humidity           | Up to 95%   |
| Operating Temperature Range | -20°C to +60°C  |
| Storage Temperature Range   | -20°C to +65°C  |