

# High-Powered Intercom

## Model PI35A



**Description** The Bogen **PI35A** is an executive communications console completely designed to meet high power paging and intercom requirements.

The PI35A provides instantaneous intercommunication and background music (or other program) distribution facilities for up to 25 speaker-equipped stations. A 20-watt intercom amplifier features a frequency response that has been shaped for maximum intelligibility. A 35-watt program amplifier ensures that program material and/or emergency announcements are clearly heard and easily understood.

Complete facilities are provided for distributing program material from microphones, CD player or other background music source. Distribution is accomplished by simple push-button selection, following the color-coded guidelines.

- Features**
- Cost-effective communication with 25 staff stations
  - Step-by-step instructions and color-coded guidelines for easy operation
  - Instant Emergency/All Rooms announcements
  - Emergency announcements take precedence over program distribution
  - Remote emergency paging capabilities
  - 20-watt intercom for instant two-way communications
  - 35-watt program channel
  - Provision for time signalling and voice call-in
  - Compact low profile console
  - Optional paging facilities permit emergency all-call paging from a remote telephone or microphone
  - Telephone paging captures system priority and overrides all system functions except the emergency page feature
  - Room selector panel is provided to select intercom and program functions for each station
  - Calls from stations are initiated through call-in switches and are announced at the control center by light and tone annunciation
  - Two-wire hook-up or voice call-in wiring
  - Enclosed in a space-saving console, finished in an attractive simulated wood grain finish

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Specifications subject to change without notice.

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## Technical Specifications

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|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Output:</b>                            | <i>Program – 35WRMS<br/>Intercom – 20WRMS</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Frequency Response:</b>                      | <i>Program – +1, -3 dB from 80 Hz to 15 kHz<br/>Intercom – Shaped for maximum intelligibility</i>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Distortion:</b>                              | <i>Less than 1% at rated power and bandwidth</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Inputs:</b>                                  | <i>Two Lo-Z balanced MIC; Hi-Z unbalanced AUX; Telco Page; 25V Booster</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Output:</b>                                  | <i>25V Balanced line, Line Out to Booster</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Input Sensitivity:</b><br>(for rated output) | <i>Program – MIC Input: 300<math>\mu</math>V balanced Lo-Z; AUX: 100mV unbalanced Hi-Z<br/>Telco Page: 100mV unbalanced Hi-Z; Intercom – Listen Mode: 300<math>\mu</math>V balanced Lo-Z (Console MIC: 1mV unbalanced Lo-Z)</i>                                                                                                                                                                                                                                                                                                 |
| <b>Controls:</b>                                | <i>Front Panel – Program Selection: MIC 1, MIC 2, AUX; Level: Monitor/Listen, Program; Distribution: All Rooms, Emergency, Press To Talk; Indicators: Program Talk/ Level LED<br/>Rear Panel – Input Gain: MIC 1, MIC 2, AUX, Telco Page, Talk, Listen<br/>Internal – Gain: Emergency Page, Supervisory Tone, Time Tone<br/>Enable/Disable: MIC 1/Console MIC; MIC 2/Telco Page, Phantom Power, Supervisory Tone, MIC 1/Monitor Mute</i>                                                                                        |
| <b>Tone Specifications:</b>                     | <i>Time Tone – 750 Hz<br/>Supervisory Tone – Repeating, 500 Hz<br/>Call-in Tone – Repeating; oscillates between 500 Hz and 750 Hz (Switching Freq., 16 Hz)</i>                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Power Requirements:</b>                      | <i>120V AC, 60 Hz, 100W maximum</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Phantom Power :</b>                          | <i>15V DC</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Dimensions:</b>                              | <i>20-1/2" W x 8-1/2" H x 11" D (with sloped top)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cabinet:</b>                                 | <i>Simulated wood grain finish</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Panels:</b>                                  | <i>Black with color-coded lines and instructions for Intercom, Program, Emergency Page</i>                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Product Weight:</b>                          | <i>24 lb.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Operating Temp.:</b>                         | <i>0-130° F</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Accessory Equipment:</b>                     | <i>CDR1 – CD player and AM/FM Receiver<br/>SCR25A – Call-in module (for switches w/o SCR)<br/>WMT1A – Line-matching transformer for telephone paging<br/>TAMB2 – Telephone access module for telephone paging<br/>DDU250, MBS1000A – Desktop paging microphones<br/>CA10A, CA11A, CA17 – Call-in switches (2-pos., 3-pos., and push-button, respectively)<br/>TWK351 – 2-Wire call-in adapter kit<br/>2518, 2520, 2522 – Connector Kits (18-, 20-, and 22-gauge respectively)<br/>TL156 – Insertion Tool for connector kits</i> |

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## Architect and Engineer Specifications

The intercom system shall be a Bogen Model PI35A. The PI35A shall provide instantaneous intercommunication and background music (or other program) for up to 25 speaker-equipped stations. A 20-watt intercom amplifier shall feature a frequency response that has been shaped for maximum intelligibility. A built-in 35-watt program amplifier shall ensure that program material and/or emergency announcements are clearly heard and easily understood. The front panel shall include step-by-step instructions and color-coded guidelines for easy access and operation.

Complete facilities shall be provided for distributing program material from microphones, CD player, or other background music source. Distribution shall be accomplished by simple push-button selection, following color-coded guidelines. Emergency announcements shall take precedence over program distribution and shall be accomplished with a single push-button selection and a built-in console microphone. Provision shall be included to permit the distribution of a time signal to all stations.

Optional paging facilities shall permit emergency all-call paging from a remote telephone or microphone. Telephone paging captures system priority and overrides all system functions except the emergency page feature.

The PI35A shall include a built-in time tone that can be sent to the entire system, supervisory tone to signal unauthorized monitoring from the control panel, and monitor speaker to monitor a program or listen to a station.

A room selector panel shall be provided to select intercom and program functions for each station. Calls from stations shall be initiated through call-in switches and shall be announced at the control center by light and tone annunciation. Provisions shall be made for two-wire hook-up or voice call-in wiring.

The PI35A shall be enclosed in a space-saving console, finished in an attractive simulated wood grain finish. The system shall provide a 25-volt balanced output and operate from a 120V AC, 60 Hz source. Maximum power consumption shall be 100 watts. Dimensions shall be 20-1/2" W x 8-1/2" H x 11" D. Product weight shall be 24 lb.

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