GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Model 723-905
SmartSeries Remote Subset Amplifier

General Information

The Model 723-905 SmartSeries Remote Subset Amplifier is an intelligent handset amplifier, speaker amplifier, and FSK modem intended for use in GAI-Tronics Page/Party® and SmartSeries systems. The amplifier is an integral part of GAI-Tronics desktop, desk-edge, and flush-mount stations. It has been designed to be remotely mounted with the enclosure, allowing the associated subsets to be mounted on a desktop, on the edge of a desk, or flush mounted. The amplifier is not designed for outdoor use and must be mounted at an indoor location.

For proper operation, the Model 723-905 SmartSeries Remote Subset Amplifier must be installed in the Model 7245-005 Amplifier Enclosure with auxiliary inputs and used with one of the following subsets:

Single Party Subsets:	Multi-Party Subsets:
Model 726-101 Desktop Subset	Model 7265-101 Desktop Subset (5-party)
Model 711-102 Desk-Edge Subset	Model 7115-102 Desk-Edge Subset (5-party)
Model 716-102 Flush-Mount Subset	Model 7165-102 Flush-Mount Subset (5-party)

The SmartVolume™ feature is **not** supported for Model 7265-101. Also, the SmartVolume™ feature is **not** available for speakers equipped with L-Pads or for multiple speaker applications. The Model 723-905 Remote Amplifier is designed **solely** for use with the magnetic hookswitch subsets listed above. Subsets containing an RF hookswitch are **not** supported.

The Model 723-905 Remote Subset Amplifier provides the following features when installed in a SmartSeries ADVANCE system:

- Enables one-way paging from the remote subset handset. Priority Page feature enables important messages to override operational communication
- Enables two-way party line communication from the remote subset handset
- Monitors and controls off-hook and page status of the remote subset handset. Limits off-hook and page durations to prevent open microphone and nuisance page problems
- Supervises the externally connected speaker (desk-edge and flush-mount stations only)
- SmartVolume™ feature measures the ambient noise and automatically adjusts the speaker output level (desk-edge and flush-mount stations only) when used with externally connected speaker
- Contains page amplification to broadcast announcements over the station's speaker
- Monitors and reports problems with handset amplifier, the speaker amplifier, and speaker voice coil to the MCU
- Monitors and reports the status of the auxiliary inputs

The following features are available as options to the standard configuration of a station used in a SmartSeries ADVANCE system and installed in a special enclosure.

- The Selected Page Destination feature allows the manual selection of up to four page destinations.
- The Supervised Input feature allows the monitoring and supervision of one or two initiating device circuits (IDCs), initiating an alarm when the supervised device is activated.
- The Power Relay Module provides a relay contact output, typically to switch power to a visual signaling device, for directed or relay group operation. Supervision of the controlled device's cable can also be enabled.
- The Station Emergency Party Line feature supports annunciation for two party lines.

Specifications

Electrical

Supply voltage ..... 90 to 140 V ac (120 V ac nominal), 50/60 Hz
Power consumed @ nominal ac..... Zero/maximum signal (12 watts): 15 VA, 9 watts/59 VA, 32 watts

Speaker Amplifier

Output ..... 12 watts minimum, with nominal supply voltage
Frequency response..... 350 to 6,500 Hz, +0/−3 dB, ref. to 1 kHz
Distortion ..... 1% maximum THD @ 1 kHz, 12 watts

SmartVolume™

Monitor range (low gain) ..... 62 to 100 dB SPL
Offset (above ambient) User Level Adjustment ..... 0 to 48 dB
Minimum User Level Adjustment ..... Off; 85–125 dB SPL

Handset Amplifier

Output ..... 1.5 V_{RMS} nominal into 33-ohm load
Frequency response with 5 mV_{RMS} input (AGC on) ..... 350 to 6,500 Hz, +0/−3 dB ref. to 1 kHz
Distortion ..... 1.5% maximum THD @ 1 kHz

Mechanical

Dimensions ..... 8.12 H × 8.12 W × 3.5 D inches (206 × 206 × 89 mm), overall

Environmental

Temperature range ..... −22° F to +158° F (−30° C to +70° C), operating and storage
Humidity ..... 95%, non-condensing

Approvals

CE Mark