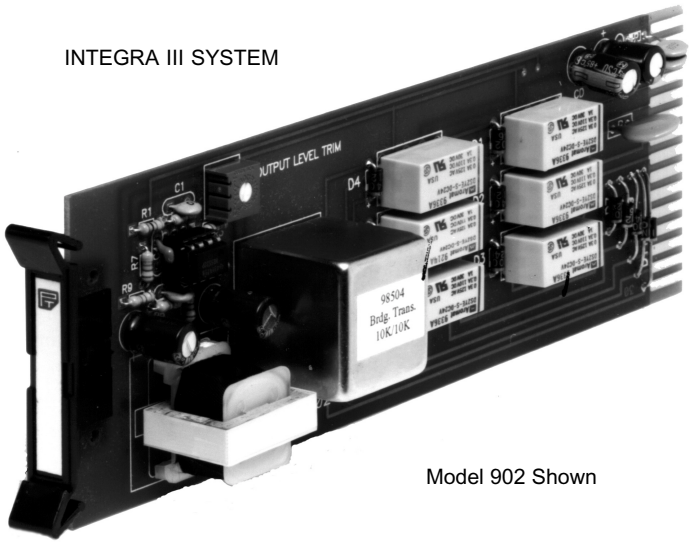
MODEL 902

PRIORITY PAGING SWITCHER

- 6 Line Level Inputs.
- All Inputs Prioritized.
- Priority By-Pass Relay.
- Adjustable Line Output.
- Balanced In & Out.

INTEGRA III SYSTEM



Model 902 Shown

www.protechaudio.com

The Model 902 Priority Paging Switcher Card is designed for use in professional audio applications. Each unit features six (6) paging inputs, one (1) line level output, and a switch closure circuit for control of priority by-pass relays, or other paging functions.

Typical applications are public address systems in buildings such as airports, factories, hospitals, courthouses, casinos, convention centers, libraries, hotels, racetracks, and office buildings.

The mechanical construction of the Model 902 allows mounting of up to ten (10) units in a Model 857B Card Frame, or nine (9) units in a Model 858B Card Frame. Each Model 902 card unplugs from the front of the card frame, without the need for removing any wires from the rear of the card frame. Spare units may be placed into service in a matter of minutes.

Each Model 902 has six inputs, which are arranged in a series configuration. Each input passes thru a number of double-pole double-throw relays. Activating any higher priority relay disconnects the relay chain at the selected point, and allows the higher priority input channel to pass thru to the output stage. Input stage number 6 is normally used for background music, and is configured in the normally ON position. Activating any of the other five (5) inputs will disconnect input number 6.

The Model 902 Priority Paging Switcher Card is balanced in both the input and output stages. The output level may be adjusted by using the on-board output level control trimpot.

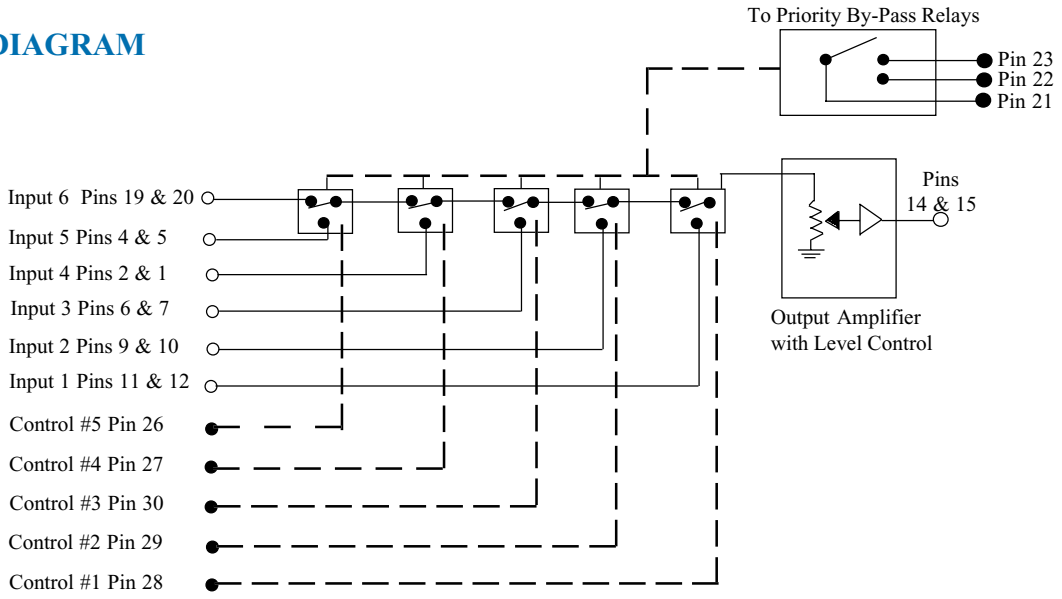
The relay control circuits are activated by grounding the individual control pins as indicated on the block diagram on page 2. In addition to the paging input controls, grounding any of the control pins will activate the priority by-pass relay control circuit. This circuit is usually used to activate by-pass relays in remote attenuators. However, it may be wired to any control circuit requiring no more than 1 amp of current at 24VDC.

All integrated circuits used in the Model 902 are mounted in plug-in IC sockets, to facilitate maintenance of the system.The DC power supply connections are protected by self-resetting electronic fuses. If a card should malfunction, the electronic fuses will disconnect the card from the power supply. The same type of fusing is provided in the priority by-pass relay control circuit.

Other INTEGRA III SYSTEM cards, such as distribution amplifiers or compressors, may be used in the same card frame assembly, to allow construction of complete audio systems.

MODEL 902 PRIORITY PAGING SWITCHING CARD

BLOCK DIAGRAM



Pin Numbers Shown for Models 857B and 858B Card Frame Package

SPECIFICATIONS

GAIN	0-20dBdB, Adjustable
INPUT IMPEDANCE	10K Transformer Isolated
MAXIMUM INPUT	+18dB
MAXIMUM OUTPUT	+20dBm
FREQUENCY RESPONSE	30Hz To 20KHz, +0, -1dB
DISTORTION	0.1% Maximum @ +14dBm
NOISE	-85dB Below +4dBm Out
POWER REQUIREMENTS	±15-18VDC @ 25ma
SIZE	2.5"H x 8.0"D x 1.1"W
OPERATING TEMPERATURE	0 To 70 Degrees C

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

ARCHITECT'S & ENGINEER'S SPECIFICATIONS

The Priority Paging Switcher shall be constructed as a plug-in printed circuit board module. It shall be designed to allow up to 10 modules to fit in a rack mount card frame, requiring no more than 3.5" of vertical rack space. The Priority Paging Switcher shall be unpluggable from the front of the card frame, without the need to disconnect wires attached to the rear connector.

The Priority Paging Switcher shall have 6 line level inputs. The six inputs shall be configured in priority order. Activation of any higher level input shall automatically disconnect any lower level input.

The activation of each page input shall be by ground closure only. The output of the Priority Paging Switcher shall be transformer isolated, and capable of driving a 600 ohm or higher load. The output level of the Priority Paging Switcher shall be adjustable by a trimpot mounted on the PC assembly.

The Priority Paging Switcher shall have an on-board by-pass activation relay (BPAR), capable of switching by-pass relays on remote attenuators.The BPAR shall activate with all page inputs. The BPAR circuitshall be fused with an auto-resetting electronic fuse.

The Priority Paging Switcher shall be Protech Audio Model 902

ACCESSORIES

CARD FRAME PACKAGE.....Model 858B
Includes Card Frame, Backplane, and Plug-In Power Supply Card. Allows mounting of up to 9 audio cards.

CARD FRAME PACKAGE.....Model 857B
Includes Card Frame and Backplane Assembly. For use with external power supply Model 66708. Allows mounting of up to 10 audio cards.

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AUTHORIZED DEALER