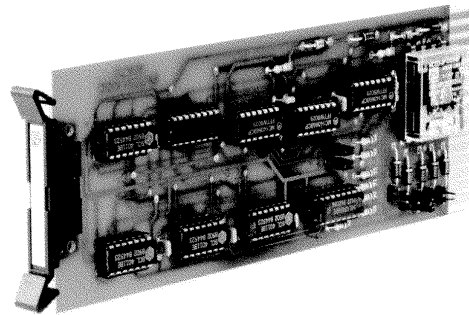


SOLID-STATE SWITCHING MODULES



www.protechaudio.com

- 5 Pairs of Solid-State Closures
- On-Board DIP Switch Sets Logic Programs.
- First-Come, First Served Program.
- Independent, & All-Call Programs
- Linkable
- Solid-State Priority Switcher.
- 5 Solid-State Inputs To A Common Output.
- On-Board Relay For Additional Switch Functions.
- Linkable.

The INTEGRA III SYSTEM Solid-State Switching modules are designed for use in professional audio applications. They are intended for high reliability, 24/7 installations.

There are 2 solid-state switching modules in the INTEGRA III SYSTEM. The first one, the Model 590B consists of 5 pairs of solid-state closures. These closures may be used to switch microphone or line level audio signals, as well as low voltage DC signals. The Model 590B features built-in logic programs. These programs are selected via an on-board DIP switch. The logic programs include a first-come, first served (Lockout) program, an all-call program, and an independent program. Typical applications would be paging system control where multiple paging stations are present, or program selection from remote locations. The Model 590B may be linked, to create larger switching systems. It may also be used in conjunction with the Model 697B, to create additional program functions.

The second solid-state switching module, the Model 697B, is designed to provide a priority switching function. The module has 5 inputs, switched to a common output. It also contains a double-pole, double-throw relay. The relay may be strapped to activate with individual priority levels. The relay may be used to control by-pass relays in local attenuators, or to control additional functions when a selected level of priority input is activated.

Also, the solid-state switching modules can be mixed and matched with other INTEGRA III SYSTEM cards, such as mixers and remote controls, within the same card frame.

As one of the INTEGRA III SYSTEM cards, each of the solid-state switching modules may be mounted in any of the system enclosures manufactured by Protech Audio.

For additional information or applications assistance contact:

SALES ENGINEERING

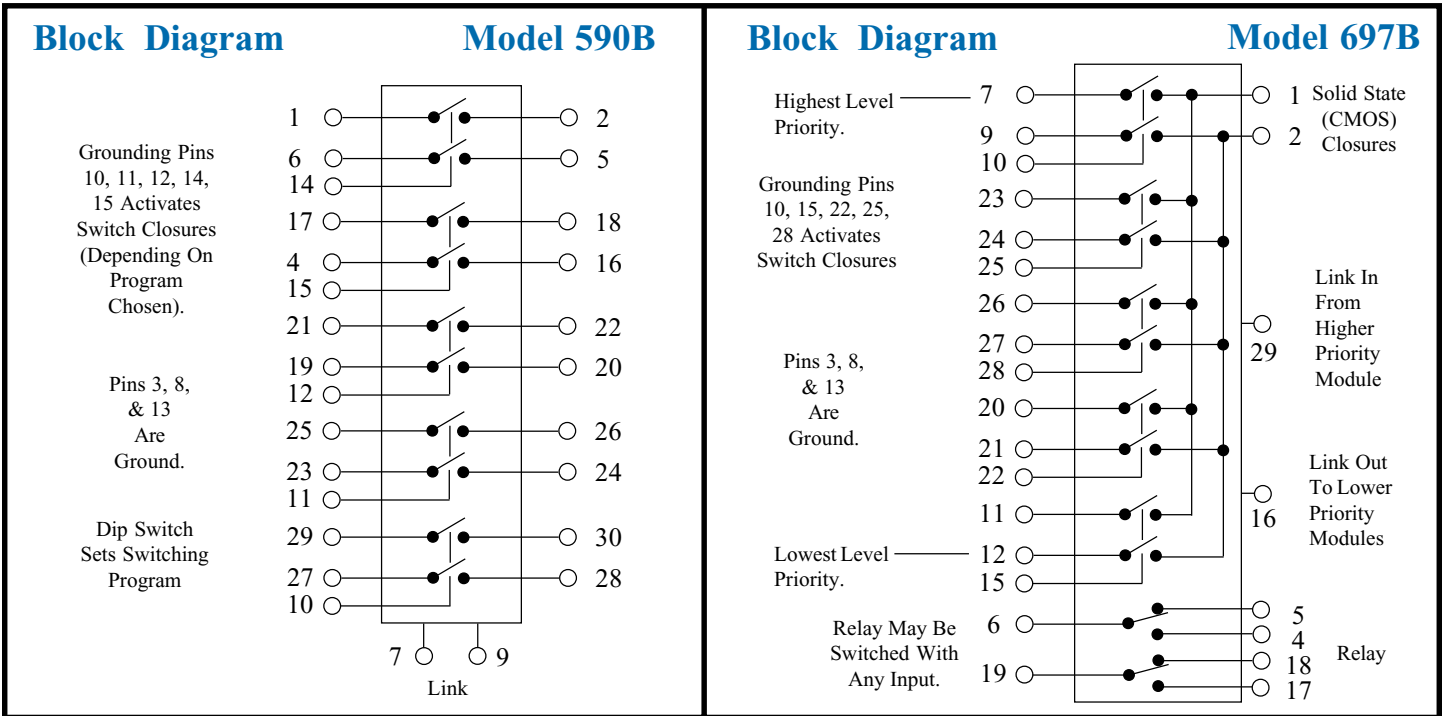
SOLID-STATE SWITCHING MODULES

PROTECH[®]

Engineering Data

1/02

SOLID STATE SWITCHING MODULES



Specifications - Model 590B

Insertion Loss.....	2dB, 600 Ohm Load
Maximum Input.....	+18dB
Maximum Output.....	+18dBm
Switch Off Impedance.....	5 Megohm, Nominal
Crosstalk.....	-80dB Between Channels
Distortion.....	0.035%, 20Hz To 20KHz
Frequency Response.....	+0dB, -0.125dB, 20Hz To 20KHz
THD+Noise.....	-84dB Below +4dBm
Power Requirements.....	±15-18VDC @ 35ma
Size.....	2.5"H x 8.0"D x 1.1"W
Operating Temperature.....	0-70 Degrees C

Specifications - Model 697B

Insertion Loss.....	2dB, 600 Ohm Load, CMOS
Maximum Input.....	+18dB CMOS, 1A @ 30VDC Relay
Maximum Output.....	+18dBm CMOS
Switch Off Impedance (CMOS).....	5 Megohm, Nominal
Crosstalk.....	-80dB Between Channels
Distortion.....	0.035%, 20Hz To 20KHz
Frequency Response.....	+0dB, -0.125dB, 20Hz To 20KHz
THD+Noise.....	-84dB Below +4dBm
Power Requirements.....	±15-18VDC @ 40ma
Size.....	2.5"H x 8.0"D x 1.1"W
Operating Temperature.....	0-70 Degrees C

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Architect's & Engineer's Specifications

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

Each switcher module shall contain 5 pairs of solid-state closures, controlled by external ground closures. An on-board DIP switch shall provide programming of the switch closure operation. The switcher shall be Protech Audio Model 590B.

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

Each switcher module shall contain solid-state inputs, one solid-state output, configured in a priority program, and a double-pole, double-throw relay. The switcher module shall be linkable for larger systems. The switcher shall be Protech Audio Model 697B.

Accessories

CARD FRAME PACKAGE.....MODEL 858B
Includes Card Frame and Power Supply Card. Allows mounting of up to 9 audio cards.

CARD FRAME PACKAGE.....MODEL 857B
For use with external power supply Model 66708. Allows mounting of up to 10 audio modules.

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AUTHORIZED DEALER