

RELAY SWITCHING MODULES

www.protechaudio.com



2 Double-Pole,
Double-Throw
&
1 Four-Pole,
Double-Throw
Relays



8
Form-A,
Fast Switching,
Reed
Relays

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

There are 2 relay switching modules in the INTEGRA III SYSTEM. The first one, the Model 571B consists of 2 double-pole, double throw relays, and 1 four-pole, double throw relay. The Form-C contacts allow switching between circuits. Typical applications would be paging override of background music in zone paging systems, or switching talkback circuits for two-way communications. The relays are sealed to prevent contamination in difficult environments.

The second relay module, the Model 655B features 8 reed relays. Each reed relay has a Form-A contact. These relays are designed to switch audio circuits

on-and-off, or provide closures activated by a remote switch activation.

All of the relays, on both models, are activated by applying ground to the appropriate control pin.

By offering different models, the system designer can choose a unit that will fit the application perfectly. This will result in a more cost effective design. Also, the relay switching modules can be mixed and matched with other INTEGRA III SYSTEM cards, such as solid-state switchers, mixers and remote controls, within the same card frame.

As one of the INTEGRA III SYSTEM cards, each of the relay switching modules may be mounted in any of the system enclosures manufactured by PROTECH AUDIO.

For additional information or applications assistance contact:

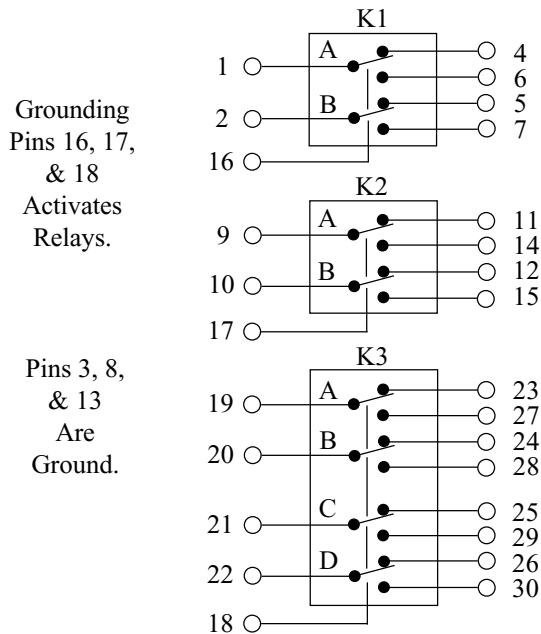
SALES ENGINEERING

RELAY SWITCHING MODULES

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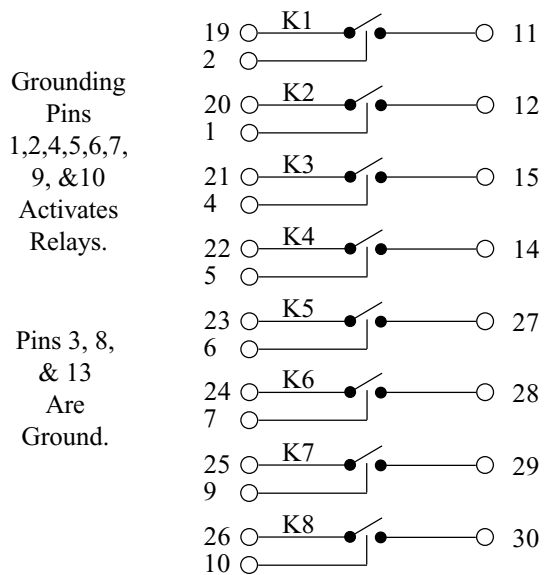
Block Diagram

Model 571B



Block Diagram

Model 655B



Specifications - Model 571B

Number of Relays.....	2 Double-Pole, 1 Four-Pole
Contact Arrangement.....	Form C
On Resistance.....	0.2 Ohm
Contact Ratings.....	0.3 Amp 125 VAC 0.3 Amp 110 VDC 1.0 Amp 30 VDC
Operating Time.....	5.0ms
Release Time.....	2ms
Power Requirements.....	±15-24VDC @ 60ma Per Module
Size.....	2.5"H x 8.0"D x 1.1"W

Specifications - Model 655

Number of Relays.....	8
Contact Arrangement.....	Form A, Normally Open
On Resistance.....	0.2 Ohm
Contact Ratings.....	10 Watts DC, 200 Volts DC Switching Current = 0.75 Amps DC, Carry Current = 1.5 Amps DC
Operating Time.....	1.0ms
Release Time.....	0.5ms
Power Requirements.....	±15-24VDC @ 60ma Per Module
Size.....	2.5"H x 8.0"D x 1.1"W

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Architect's & Engineer's Specifications

The relay 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 relay switcher module shall be unpluggable from the front of the card frame, without the need to disconnect wires attached to the rear connector.

Each relay switcher module shall contain two double-pole, and one four pole relays. Each relay shall be fully encapsulated, and contain Form C contacts. The relay switcher module shall be Protech Audio Model 571B.

The reed relay 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 reed relay switcher shall be unpluggable from the front of the card frame, without the need to disconnect wires attached to the rear connector.

Each reed relay switcher module shall contain eight individual reed relays. Each relay shall be fully encapsulated, and contain one Form A normally open contact. The reed relay switcher shall be Protech Audio Model 655B.

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