

## PathWay® 7249-ESL Dual Channel RS530 Secure/Non-Secure Switch and RJ45 A/B Switch w/ Cutoff and Remote Control

### INTRODUCTION

The Model 7249-ESL Dual Channel RS530 SECURE/ NON-SECURE and RJ45 AB Switch provides two-channel switching in a low profile, 19-inch 1U rack unit. Channel One allows the user the capability of sharing a single DB25(F) interface device connected to the "Common" port among two other DB25(M) devices connected to the "SECURE" and "NON-SECURE" DB25 ports. All 25 pins are switched. Channel Two allows the user the capability of sharing a single RJ45 device connected to the "Common" port with two other RJ45 devices connected to the "A" and "B" RJ45 ports. Both channels allow the user to set the switches to the "CUTOFF" position, which stops any, and all data throughput for the switch. All 8 pins are switched.

### FEATURES:

- Both Channels offer SECURE/NON-SECURE/CUTOFF positions via front panel pushbutton or RS232 commands.
- Independent Channel Control:
- Channel One** is RS530 compatible. All (25) pins of the DB25 interface are switched via break-before-make electromechanical relays.
- Channel Two** is RJ45 compatible. All (8) pins of the RJ45 interface are switched via break-before-make electromechanical relays.
- On power loss, unit reverts to a cutoff position that isolates all communication ports.
- When power is restored, the unit automatically switches to the Default Position for each channel selected by the user via RS232 commands.**
- Remote RS232 ASCII commands that allow the user to control switch position, default position, lock and unlock front panel operations, obtain switch status.
- Remote Contact Closure control provides dry contact logic to allow the independent channel control of the switch position.
- Custom length interconnection DB25 and RJ45 cables are available.



### SPECIFICATIONS:

**CHANNEL 1 PORT CONNECTORS:** (3) DB25 (M/M/F) connectors labeled SECURE, NON-SECURE and COMMON, respectively.

**CHANNEL 2 PORT CONNECTORS:** (3) RJ45(F) Shielded connectors labeled SECURE, NON-SECURE and COMMON.

**FRONT PANEL CONTROLS:** (2) Manual pushbuttons on front panel; one for each channel.

**DISPLAY:** Three red led's for each channel, display Secure, Non-Secure, and Cutoff positions.

**REMOTE CONTROL:** DB9 female connector on rear panel accepts Contact Closure or RS232 Serial data commands.

**POWER:** The Model 7249-ESL is powered by internal power supply. Plug the IEC 60320 C14 inlet on the rear of the unit into a 100VAC-240VAC, 50Hz-60Hz receptacle.

**DIMENSIONS:** 19.0" W x 1.75" H x 10.23" D.  
(48.3 x 4.4 x 26.0 cm)

**WEIGHT:** 6.1 lbs. (2.8 kg)

