

# PathWay Model 7246-ESL Dual Channel RS530 Switch and RJ45 Secure/Non-Secure Switch w/Cutoff & Remote Control

## INTRODUCTION

The PathWay® Model 7246-ESL Dual Channel RS530 and RJ45 Secure/Non-Secure Switch with Cutoff provides two channel switching.

**Channel One** allows the user the capability of sharing a single DB25(M) interface device connected to the "COMMON" port among two other DB25(F) devices connected to the "SECURE" AND "NON-SECURE" DB25 ports.

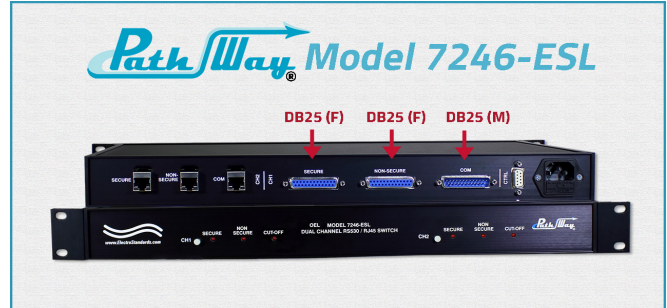
**Channel Two** allows the user the capability of sharing an RJ45 device connected to the "COMMON" port among two other RJ45 devices connected to the "SECURE" and "NON-SECURE" RJ45 ports.

The user can set each channel independently to the "CUTOFF" position, which stops any and all data throughput for the switch. The switch may be controlled locally by manually operating the front panel pushbuttons or remotely from the DB9 Control port located on the rear of the unit via Contact Closure or RS232 ASCII commands. The front panel LED display indicates the respective switch position and unit power status.

All ports ("SECURE", "NON-SECURE", and "COMMON") for each channel are transparent to all data going through that switch. If power to the Model 7246-ESL is removed, both switches will automatically move to the "CUTOFF" position. When it is restored, each switch will move to the Programmed Default Position.

### FEATURES:

- **Both Channels offer SECURE/NON-SECURE/CUTOFF switch 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.



### SPECIFICATIONS:

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

**CHANNEL 2 PORT CONNECTORS:** (3) RJ45(F) 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 7246-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)

