

## PathWay® Model 7276 Single Channel RS232/RS530 A/B Switch with Auto Fallback & Auto Recovery

- **Automatic Switch to Backup via Data Activity and Data Carrier Monitor.**
- **Doubles the Reliability of Data Throughput in Critical Network Applications.**

### INTRODUCTION:

The PathWay® Model 7276 Single Channel RS232/RS530 A/B Switch with Auto Fallback and Auto Recovery allows the user the capability of sharing a single port interface device connected to the "COMMON" port among two other devices connected to the "A" and "B" ports with remote access functionality. The remote port can be used to attain switch position status by using the provided set of contact closure pins. The remote port can also be used to control the switch position using a separate set of contact closure pins.

**When in automatic fallback mode the unit monitors either RD activity or DCD presence on port A only.** If activity or presence of the selected trigger signal (RD or DCD) is detected on Port A, the unit switches to the A Position and stays in this position while there is still activity or presence detected. If activity or presence of the selected trigger signal (RD or DCD) is lost on Port A, the unit switches to the B Position and stays in this position until activity or presence is detected on Port A. The user can override automatic fallback operation from the front panel or remote port and force the unit to operate as an A/B switch.

### Features:

- **Switch to backup automatically via Data Activity or DCD trigger monitor. Switches back when signals restore.**
- The switch ports are transparent to all data.
- Pins 1-6 and 8-25 of the DB25 interface are switched. Pin 7 (signal ground) of all ports are tied together.
- All switched signals are passed via latching copper contact relays that maintain their position and continuity even in the event of a power loss or failure.
- When power is restored, the unit loads previous position and mode of operation and checks DIP switch settings and remote port to determine the correct startup configuration.
- **Automatic switching based on either RD activity or DCD presence on port "A" only.**
- **Port A Pins Monitored.**  
Port A, RS232, RD: Pin 3 with respect to Pin 7.  
Port A, RS232, DCD: Pin 8 with respect to Pin 7.  
Port A, RS530, RD: Pins 3 and 16.  
Port A, RS530, DCD: Pins 8 and 10.
- Remote control of the switch position from a contact closure REMOTE port.
- Front panel LED's display position, mode, and power status.

### WIDE RANGE POWER OPTION AVAILABLE:

(Cat No 517277) **CE, RoHS, and UL** listed table mount power module, 100VAC/240VAC, 50Hz/60Hz for use in place of standard power module that is included with the unit. Has IEC 60320 C14 inlet. **Ideal for international applications.**



### Specifications:

**CONNECTORS:** (3) DB25(F) connectors on rear panel labeled A, B, and COMMON.

**FRONT PANEL CONTROLS:** Manual pushbutton allows alternate action A/B switching when in manual mode.

**REMOTE CONTROL:** (1) DB15(F) connector on rear panel accepts contact closure signals from Model 4077, Cat No. 514077 or similar device.

**FRONT PANEL DISPLAY:** (2) LED's labeled A and B display switch position and power status.

**POWER:** UL approved 100VAC/240VAC, 50Hz/60Hz wall mount power module supplies 12VDC, 500mA to the unit. Has 2-prong, US, non-polarized plug.

**DIMENSIONS:** Rackmount, 19.0"W x 1.75"H x 8.0"D. (48.3 x 4.4 x 20.3 cm)

**WEIGHT:** Approx. 4.9 lbs. (2.2 Kg)

### Approvals:

- **Certified** compliant with EMC Regulations:  
EN 55022:2006/A1:2007 Class A ITE Emissions Requirements (EU).  
ICES-003 Issue 4 Class A Digital Apparatus Emissions Requirements (Canada).  
FCC 47 CFR Part 15 Class A Emissions Requirements (USA).
- **Certified** compliant with Safety Regulation:  
EN 60950-1 including deviations to UL/CSA 60950-1 2nd edition.

