



**Model 4145 Automatic Fallback A/B Switch w/Optional Remote Management Port**

- **Fallback based on loss of carrier (DCD)**
- **Network DCD "Watch Dog" Switch keep data flowing!**

**INTRODUCTION**

The PathWay® Model 4145 Automatic Fallback Switch allows a device connected to the Common port to connect through to the "A" port. The unit monitors carrier presence (DCD) signal on the primary line, port "A". If carrier is lost, the unit automatically switches to port "B". The Model 4145 will maintain its connection to port "B" until carrier presence is again detected on port "A". When carrier is detected on port "A", the unit will automatically return to the "A" position.

The user can override automatic fallback operation from the front panel and force the unit to operate as an A/B switch. To override automatic operation, the user simply depresses the front panel pushbutton, holds it for 5 seconds, and then releases. The status LED previously lit steady ON begins to flash, representing manual override operation. Momentarily depressing and releasing the pushbutton then allows the user to change the switch connectivity.



The Model 4145 **REMOTE OPTION** can be ordered to allow remote monitoring and control of the unit. This option adds a Remote RS232 serial port allowing an off-site station to monitor and/or manage the switch. The off-site operator can monitor the operation mode, fallback or A/B, the switch position, change the mode or switch position, and lockout the front panel pushbutton operation.

**FEATURES:**

- **Ideal for automatic fallback applications based on loss of carrier (DCD)**
- Data, handshake, and clock lines of the RS232 interface are supported.
- Front panel LEDs display the connectivity status & verify power connection at all times.
- Rugged aluminum case provides maximum shielding.
- Other control configurations and interfaces are available (Fallback based on data activity is Model 4121).
- Switching using latch relays maintain connection during power loss.
- Transparent to data format and protocol.
- Optional Remote port allows off-site monitoring and switch management.
- Cables available.
- ★ **Municipalities, schools, government: This product on GSA Schedule!**

**SPECIFICATIONS:**

**PORT CONNECTORS:** (3) DB25 female connectors labeled A, B and COMMON.  
**FRONT PANEL CONTROL:** (1) Manual pushbutton allows local switching.  
**DISPLAY:** (2) Front panel LED's display switch position and power status.  
**REMOTE CONTROL:** (1) DB9 female connector on rear panel accepts ASCII RS232 Serial Data for Remote Control operation.  
**POWER:** UL approved wall mount 100VAC / 240VAC, 50Hz / 60Hz power module supplies 12 VDC, 500 mA to the unit  
**DIMENSIONS:** Desktop configuration 7.9" W x 2.0" H x 7.25" D. (20.1 x 5.1 x 18.4 cm)  
**WEIGHT:** Approximately 2.8 lbs. (1.27 Kg)

**OPTION: WIDE RANGE POWER MODULE** (Cat No 514296)  
 UL, CE, and RoHS listed table mount power module, 100VAC / 240VAC, 50Hz / 60Hz in place of standard 115VAC or 120VAC power module. **Ideal for international applications.**

