

PathWay® Model 4121 Automatic Fallback and Recovery DB25 A/B Switch, w/ RS232 Remote Control

- **This Smart Switch provides a "Fallback" data path "B" based on loss of Data Activity on Port "A", and a "Recovery" to "A" when Data Activity returns!**
- **Automatic Fallback:** *The time that connection to the Primary Channel device needs to be lost before the unit automatically switches from A position to B position, is selectable from 0 to 90 sec.*
- **Automatic Recovery:** *The time a signal must be present again in the Primary Channel before the unit automatically switches back from B position to A position, is selectable from 0 to 90 sec.*

INTRODUCTION

The PathWay® Model 4121 Automatic Fallback & Recovery DB25 A/B Switch w/RS232 Remote Control 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 Model 4121 is packaged in a slim desktop style enclosure.

The switch may be controlled locally by manually operating the front panel pushbutton, or remotely through the DB9 Female Serial Interface Remote port. The front panel LED display indicates the switch position, switch mode, and power status.

The unit monitors data activity on port "A". If the unit is in the A position and activity is lost for the duration of the set delay time, the unit automatically switches to the B position. Depending on the Recovery Mode set, the unit will then either remain in the B position until commanded to switch to the A position by the pushbutton or Remote, or switch back to the A position automatically when the signal returns.

FEATURES:

- Allows access to two networks from one COMMON network or device.
- The switch ports are transparent to all data.
- Pins 1-8, 11, 14-21 and 24 of the DB25 interface are switched via break-before-make electromechanical relays.
- The unit maintains last set position on power loss and continues to pass data.
- Front panel pushbutton control.
- Remote RS232 ASCII commands that allow the user to; control switch position, lockout front panel operations, change the Fallback Mode, set the delay time, select pins monitored, change the Recovery Mode, obtain switch status, as well as, query firmware version number, query serial number and enable/disable autosend of switch positions.
- Remote port Contact Closure status on pins 6, 7, and 8 provide dry contact logic to obtain the present switch position.
- **Automatic Fallback and Recovery Mode operates based on data monitoring on signal pins 2 and 3 of port A.**
- Recovery Mode can be set to either Automatic or Manual.
- Front panel LED's display present position, mode, and power status.
- Attractive all metal black box packaging provides EMI/RFI shielding.



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 100VAC-240VAC, 50Hz-60Hz wall mount power module supplies 12 VDC, 500mA to the unit.

DIMENSIONS: Desktop configuration
8.1" W x 2.39" H x 7.26" D. (20.6 x 6.1 x 18.5 cm)

WEIGHT: Approximately 1.9 lbs. (0.9 kg)

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.**

Data Activity "Watch Dog" Switch
Keeps Data Flowing!

