

PathWay® Model 7145 Automatic Sensing DB9 A/B/OFFLINE Switch, with Redundant Special Input Power

INTRODUCTION

The PathWay® Model 7145 DB9 Automatic Sensing DB9 A/B/OFFLINE Switch with Special Redundant Input Power System 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 7145 is packaged in a slim, 1U rack height rack mount enclosure.

The switch may be controlled locally by manually operating the front panel pushbuttons. The front panel LED display indicates the switch position, data activity and unit power status.

The unit monitors data activity on both ports "A" and "B". If activity on the connected port is lost for 2 seconds, and if the other port has established valid activity, the unit automatically switches to the port with valid activity. As long as there is activity on the present port, the unit will maintain the connection with that port. If neither port has activity, it will stay connected to the present port.

FEATURES

- The switch ports are transparent to all data.
- All (9) pins of the DB9 interface are switched via break-before-make electromechanical relays. Pin 5 (signal ground) of all ports tied together.
- The unit maintains last set position on power loss and continues to pass data.
- Upon power restore, the unit will remain in the position it was in at power down.
- **The dipswitch settings can be set to change the signal loss mode to allow an OFFLINE position.** If dipswitch pole three is set to the ON position, the unit will switch to the OFFLINE position, if there is no valid data activity on the alternate port, when data activity is lost on the current port.
- **Automatic switching based on RS232 TD and RD activity.**
- **In Automatic Fallback Mode, unit automatically switches based on data activity monitoring of Ports A, and B.**
- **Manual Mode switching via front panel pushbuttons**
- Front panel red LED's display present position.
- Front Panel amber LED's display data activity. on ports A, B, and COM.
- Front panel green LED's indicate power supply status.
- User selectable to monitor DB9 pin 2 or 3, or both via dipswitch located on the bottom panel of the unit

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SPECIFICATIONS:

PORT CONNECTORS: (3) DB9 female connectors labeled A, B, and COMMON.

FRONT PANEL CONTROL: (3) Manual pushbuttons allow a user to select A, B, or OFFLINE position.

DISPLAY: (3) Front panel red LED's display switch position and mode of switch; (3) amber LED's display which ports have data activity on Pin 2 and 3; (2) Green LED's show which port has the Power Input to the unit.

REDUNDANT POWER: The Model 7145 requires 110VDC to operate. Both of the 110VDC power supplies can be connected by terminating the power supply with the Phoenix Connector Kits provided (P/N 518221).

DIMENSIONS: Rackmount, 19.0" W x 1.75" H x 10.3" D. (48.3 x 4.4 x 26.0 cm)

WEIGHT: Approximately 6.1 lbs. (2.8 kg)

FEATURES (continued)

- Redundant power supply inputs; each supply connector accepts 110VDC supply input.
- **No Remote Control.**

