Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

®

MADE IN USA

GSA Schedule
Contract GS-35F-0286V

SPECIFICATIONS
MODEL 4145
Cat. No. 303090

PathWay® Model 4145 Automatic Fallback and Recovery DB25 A/B Switch with Optional Remote Control

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

INTRODUCTION

The PathWay® Model 4145 Automatic Fallback and Recovery DB25 A/B Switch with Optional 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 4145 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 located on the rear of the unit *(If Remote port has been ordered)*. The front panel LED display indicates the switch position, switch mode, and power status.

The unit monitors data activity on port "A" for carrier presence (DCD) signal on primary line Port A. If the unit is in the A position and activity is lost, the unit automatically switches to the B position. When carrier is detected on Port A, the unit will automatically return to the A position.

FEATURES:

- **Ideal for automatic fallback applications based on loss of carrier (DCD)**
- 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.
- When in Fallback Mode, Pin 8 (DCD) of port A with respect to Pin 7 (signal ground) is monitored for carrier presence.
- The unit maintains last set position on power loss and continues to pass data.
- Front panel pushbutton control.
- *Optional Remote RS232 ASCII commands* that allow the user to, control switch position, lockout front panel operations, change the mode, obtain switch status, as well as query firmware version number, query serial number and enable/disable autosend of switch positions.
- **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 OPTION: (1) DB9 female connector on rear panel accepts ASCII RS232 Serial Data for Remote Control operation.
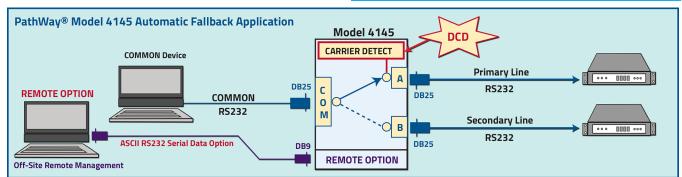**POWER:** UL approved wall mount 100VAC / 240VAC, 50Hz / 60Hz power module supplies 12 VDC, 500 mA to the unit
DIMENSIONS: Desktop configuration 8.11 W x 2.37" H x 7.28" D. (20.6 x 6.1 x 18.4 cm)
WEIGHT: Approximately 1.8 lbs. (0.9 kg)

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 in included with the unit. Has IEC 60320 C14 inlet. I**deal for international applications.**

PathWay® Model 4145 Automatic Fallback Application