



Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

SPECIFICATIONS
MODEL 7421
Cat. No. 307421

PathWay® Model 7421 Single Channel RJ45 Cat5e A/B Switch, with Telnet

- **IP Addressable, Cat 5e Compliant. Remote Control Port accepts TELNET commands.**

INTRODUCTION

The PathWay® Model 7421 RJ45 Cat5e A/B Switch with Telnet allows the user the capability of sharing a single port RJ45 interface device connected to the "COMMON" port among two other devices connected to the "A" and "B" ports. The Model 7421 is enclosed in a 1U, full rack size, all metal black chassis designed to provide EMI/RFI shielding and fit in a standard 19" rack.

Remote access can be accomplished using an Ethernet 10/100Base-T connection and Telnet.

Proper authentication is required for remote access via the 10/100Base-T connection. Users can then monitor status, lock-out front panel pushbutton control, and control switch position.

FEATURES:

- Allows quick connection to any one of two RJ45 devices from one COMMON device.
- The switch ports are transparent to all data.
- All (8) pins of the RJ45 interface are switched via break-before-make electromechanical relays.
- Front panel pushbutton control.
- **The unit reverts to the A position on power down and continues to pass data.**
- On power up, the unit maintains its position.
- Control of the switch position from a 10/100-Base-T LAN Ethernet environment.
- Remote Control Telnet command interface that allows the user to control switch position, lockout front panel operations, obtain switch status as well as query firmware version number, query serial number, and enable/disable autoselect of switch positions.
- Remote control of the switch is password protected.
- Front panel LED's display present position and power status.
- **Cat 5e compliance.**
- Attractive all metal black box packaging provides EMI/RFI shielding.
- Custom length Cat 5e cables available for your switch installation.



SPECIFICATIONS:

PORT CONNECTORS: (3) RJ45 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) RJ45 female connector on rear panel accepts 10/100 Base-T LAN access Ethernet that uses Telnet commands for Remote Control operation. Password Protected.

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

DIMENSIONS: Rackmount 19.0" W x 1.75" H x 8.18" D. (48.3 x 4.4 x 20.8 cm).

WEIGHT: Approximately 4.2 lbs. (1.9 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 inlet. **Ideal for international applications.**

PathWay® Model 7421 Application:

