Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

MADE IN USA

PathWay® Model 7748 Single Channel RS530 DB25 A/B Switch with Cutoff Position, Telnet and GUI

- *Absolutely NO data passes through the switch when in the Cutoff Position.*
- *The ultimate FIREWALL!*

INTRODUCTION

The PathWay® Model 7748 Single Channel DB25 A/B Switch with Cutoff Position, Telnet and GUI 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. Remote Control access can be accomplished using an Ethernet 10/100BASE-T connection and either Telnet commands or Graphical User Interface. The Model 7748 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.

PathWay® Model 7748
DB25 (M)   DB25 (M)   DB25 (F)

FEATURES:

- The switch ports are transparent to all data.
- All (25) pins of the DB25 interface are switched via break-before-make electromechanical relays.
- *On power loss, unit reverts to a cutoff position that isolates all communication ports.*
- *When power is restored, the unit automatically switches to the default position set by the user via Telnet Commands or Graphical User Interface.*
- Front panel pushbutton control.
- Control of the switch position from a 10/100-Base-T LAN Ethernet environment.
- Remote Control Telnet command interface or Graphical User Interface that allow the user to control switch position, lockout front panel operations and obtain switch status.
- Front panel LED's display present position and power status.

SPECIFICATIONS:

PORT CONNECTORS:
(2) DB25 male connectors labeled A and B.
(1) DB25 female connector labeled COM.

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 interface port for Remote Control Operation.

POWER: UL approved 100VAC–240VAC, 50Hz–60Hz wall mount power module supplies 12 VDC, 500 mA to the unit. Has 2-prong, US, non-polarized plug.
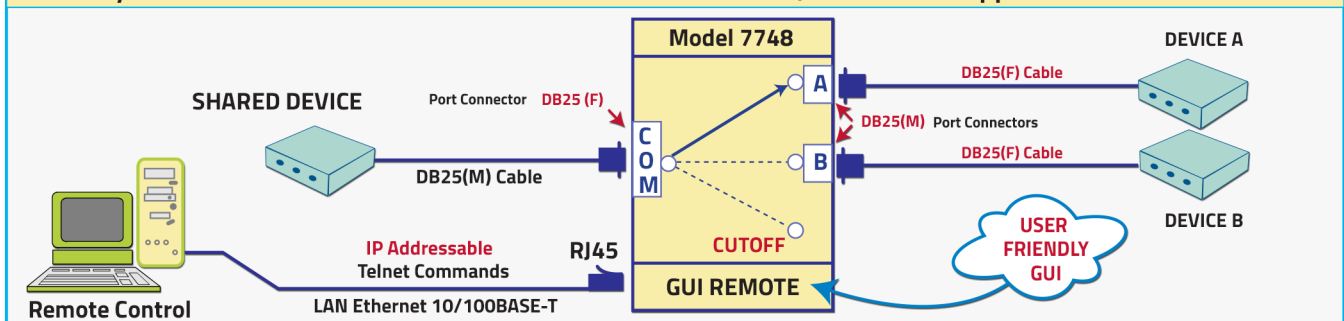
DIMENSIONS: Rackmount:
19.0" W x 1.75" H x 8.24" D. [48.3 x 4.5 x 21.0 cm]

WEIGHT: Approximately 4.5 lbs [2.1 kg]

Ask about our popular
Model 900
EIA/TIA RS-530
Interface Analyzer

Red and Green light emitting diodes indicate status of key signals at the EIA/TIA data interface. Easy to use for fault isolation.

WIDE RANGE POWER OPTION AVAILABLE:
(Cat No 517277) **CE 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.**

PathWay® Model 7748 RS530 DB25 A/B Switch w/Cutoff Position, Telnet & GUI Application

Model 7748
SHARED DEVICE
Port Connector   DB25 (F)
DB25(M) Cable
IP Addressable
Telnet Commands
RJ45
LAN Ethernet 10/100BASE-T
Remote Control
C O M
A
B
CUTOFF
GUI REMOTE
DEVICE A
DB25(F) Cable
DB25(M) Port Connectors
DB25(F) Cable
DEVICE B
USER FRIENDLY GUI

Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

MADE IN USA

SPECIFICATIONS
MODEL 7748
(Cat. No. 307748)

UTILIZING THE USER-FRIENDLY REMOTE GRAPHICAL USER INTERFACE SOFTWARE

To connect to the switch from a workstation or computer having access to the LAN that the PathWay® Model 7748 LAN port is connected to, simply launch a standard web browser and type in the appropriate IP address. The Java Applet will be automatically uploaded from the switch upon connection. The environment requirement for the GUI is Java 1.7 and above.

SOFTWARE FEATURES

▪ Graphical User Interface

- Access User Interface via standard web browser.
- Easy to use, simple point and click operation.
- Remotely access to control or monitor the Model 7748.
- Graphical User Interface that allows the user to control, Default Position, switch position, lock and unlock front panel operations and obtain switch status.
- Users can change the switch's IP address and configuration.
- LAN access gives users across the LAN or over the Internet access to control if user network is configured accordingly.
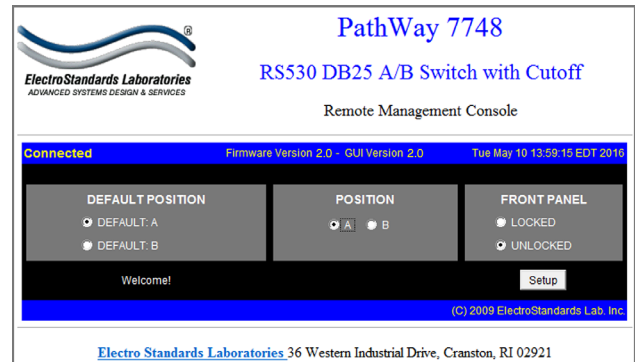

Figure 1: GUI in a Standard Web Browser

CHANGING POSITION AND LOCK STATUS

To change the switch position, click on the radio button "A" or "B" as desired. Locking and unlocking the front panel pushbutton can be done by clicking on the "Locked" or "Unlocked" radio buttons. See Figure 2.

Default Position:
Select "DEFAULT:A" or "DEFAULT:B".

Switch position by selecting "A" or "B".

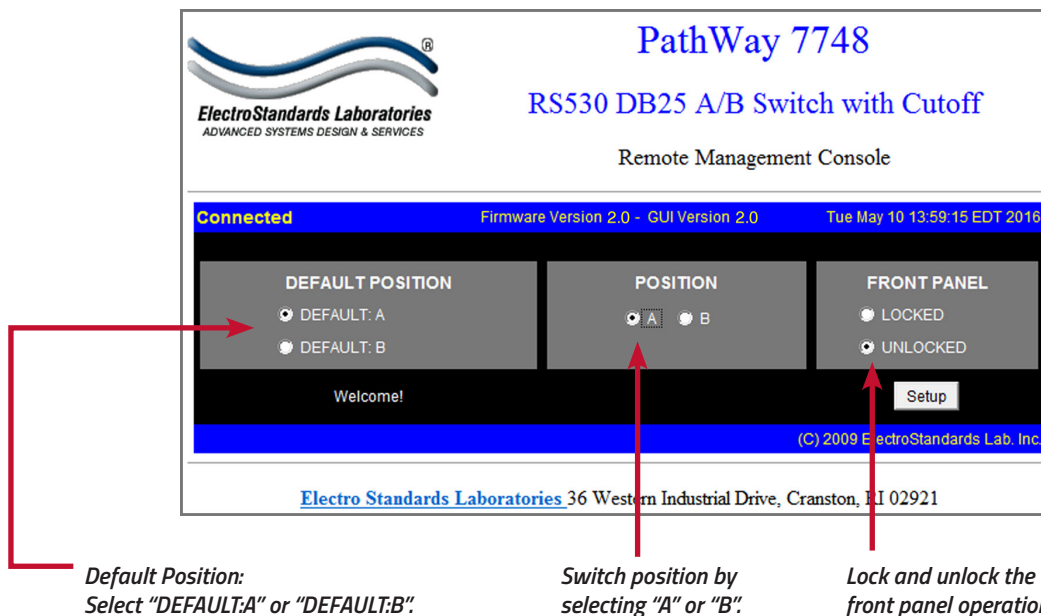Lock and unlock the front panel operation

Figure 2: Change the Default Position, Switch Position, as well as, lock and unlock front panel operations from the GUI.