

PathWay® Model 7374 4-Channel RJ45 Cat5e A/B/OFFLINE Switch w/Telnet & GUI

- Switch has "A", "B", and secure "OFFLINE" positions.
- "OFFLINE" position blocks out intruders.

INTRODUCTION

The PathWay® Model 7374 4-Channel RJ45 Cat5e A/B/OFFLINE Switch with 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, for each channel. Remote Control access can be accomplished using an Ethernet 10/100BASE-T connection and either Telnet Commands or Graphical User Interface. The Model 7374 is enclosed in a 1U, full rack size, black all metal chassis designed to provide EMI/RFI shielding and fit in a standard 19" rack.

FEATURES:

- Each channel allows access to two Cat5e networks from one COMMON network or device.
- The switch ports are transparent to all data.
- All (8) pins of the RJ45 interface are switched via break-before-make electromechanical relays.
- **Certified for Cat5e compliance.**
- Local control via front-panel pushbuttons.
- Independently or simultaneously switch channels via Telnet Commands.
- Remote Telnet Command Interface or Graphical User Interface that allows the user to control switch position, lockout front panel operations, and obtain switch status.
- Control of the switch position from a 10/100Base-T LAN Ethernet environment. IP addressable.
- Remote control of the switch is password protected, where the password protection can be disabled.
- Front panel LED's display present position and power status.
- Switch reverts to the "OFFLINE" position on power loss and isolates all ports.
- Switch remains in the "OFFLINE" position on power up.
- **Secure OFFLINE switch position stops any and all data throughput for the unit.**



SPECIFICATIONS:

PORT CONNECTORS: (12) RJ45(F) connectors, 3 for each channel labeled A, B, and COMMON.

COMPLIANCE: Interface meets or exceeds Cat 5e performance.

CONTROLS: (4) Pushbuttons to select A, B or OFFLINE for each channel.

DISPLAY: (8) Red LED's display switch position and indicate power presence; two for each channel.

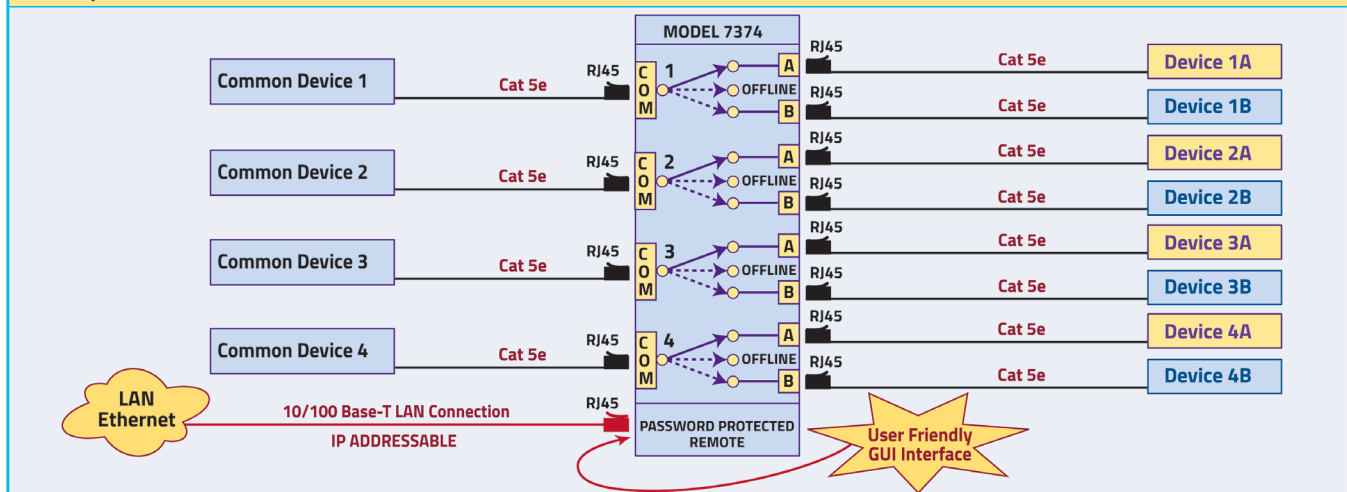
REMOTE PORT: (1) RJ45 female connector on rear panel accepts Ethernet 10/100Base-T connection and either TELNET commands or Graphical User Interface for remote operation.

POWER: Wide Range (Cat No 517277) **CE, RoHS, and UL** listed table mount power module, 100VAC / 240VAC, 50Hz/60Hz is included with the unit. Has an IEC 60320 C14 inlet. **Ideal for international applications.**

DIMENSIONS: 19.0" W x 1.75" H x 10.0" D.
(48.3 x 4.4 x 25.4 cm)

WEIGHT: Approximately 6.0 lbs. (2.8 kg)

PathWay® Model 7374 4-Channel RJ45 Cat5e A/B/OFFLINE Switch w/Telnet & GUI:



UTILIZING THE USER-FRIENDLY REMOTE GRAPHICAL USER INTERFACE SOFTWARE

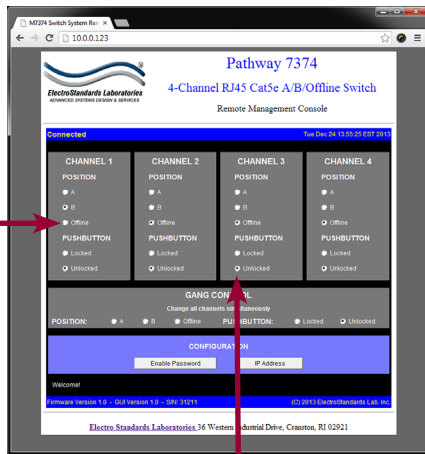
To connect to the switch from a workstation or computer having access to the LAN that the Model 7374 LAN port is connected to, simply launch a standard web browser and type in the appropriate IP address. The Java Applet will be automatically uploaded from the switch upon connection. The environment requirement for the GUI is Java 1.7 and above.



Figure 1: GUI in a Standard Web Browser

CHANGING POSITION AND LOCK STATUS

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



Switch position by selecting "A", "B", or "Offline" for each channel.

Lock and unlock the front panel operation for each channel.

Figure 2: Change the position and lockout from the GUI

QUERYING THE STATUS OF THE UNIT

Once connected, the GUI will stay up-to-date on the present position and status of the unit. See Figure 4

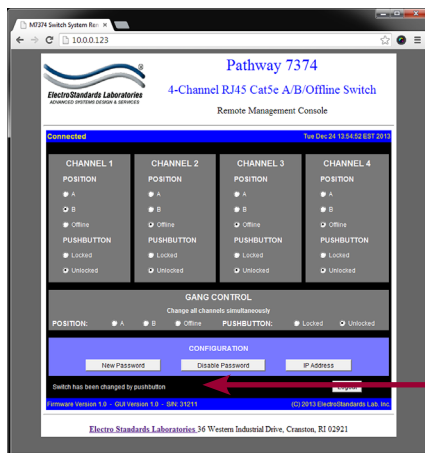
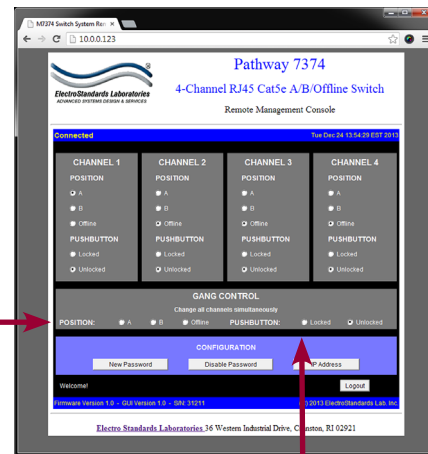


Figure 4: The GUI is alerted to changes in the unit status.

USING GANG CONTROLS

Gang Controls can be used to change the position or state of all channels simultaneously. When all channels are in the same position or state, that position or state will be selected by the Gang Controls. If one of the channels is in a different position or state, that respective Gang Control will not have either option selected. See Figure 3.



Switch All Channels between A, B, and Offline. Since not all Channels are in the same position, neither is currently selected.

Switch all Channels between Locked and Unlocked. Since all Channels are Unlocked, Unlocked is currently selected.

Figure 3: Using the Gang Controls in the GUI.

"Switch has been changed by pushbutton" GUI is alerted of changes via the front-panel pushbutton operations.