Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

MADE IN USA

SPECIFICATIONS
MODEL 7364
Cat. No. 307364

PathWay® Model 7364 Dual Channel Switch, DB9 A/B, DB9 Crossover, with RS232, Telnet and GUI

INTRODUCTION

Channel 1 of the Model 7364 Switch 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. Channel 2 of the Model 7364 allows the user the capability of attaching four devices connected to the "A", "B", "C", and "D" ports in either a "Normal" or "Crossover" configuration. NORMAL position is defined as port A connected to port C and port B connected to port D. CROSSOVER position is defined as port A connected to port D and port B connected to port C. Remote Control access can be accomplished using an Ethernet 10/100BASE-T connection and either Telnet commands or graphical user interface. The unit can also be controlled via RS232 ASCII commands through the rear panel DB9 Remote Port.

FEATURES

- Unit allows independent switch control of two channels. Channel one is a DB9 A/B Switch. Channel two is a DB9 Crossover Switch.
- Independently control each channel remotely via either the DB9 Serial REMOTE port, or the 10/100 RJ45 Ethernet REMOTE port.
- Serial REMOTE port supports ASCII command set that allows position control, query of switch position, and front panel pushbutton lock/unlock.
- Ethernet REMOTE port commands include position control, query of switch status, and front panel lock/unlock. Unit password / login required to maintain security. Communicate with switch via TELNET.
- Remote control also allows gang commands (simultaneous switching of both channels).
- All 9 pins of the DB9 interface are switched via break-before-make electromechanical relays.
- LED's display switch position.
- Switch maintains position and continues to pass data during power loss.

SPECIFICATIONS:

PORT CONNECTORS: (3) DB9 female connectors labeled A, B, and COM for Channel 1. (4) DB9 female connectors labeled A, B, C, D for Channel 2.

CONTROLS: (2) Pushbuttons allow local switching.

DISPLAY: (4) Front panel LED's display switch position.

TWO REMOTE CONTROL PORTS: (1) DB9 female connector on rear panel accepts ASCII RS232 Serial Data. (1) RJ45 female connector on rear panel accepts 10/100Base-T LAN Ethernet that uses both TELNET commands and GUI Interface.

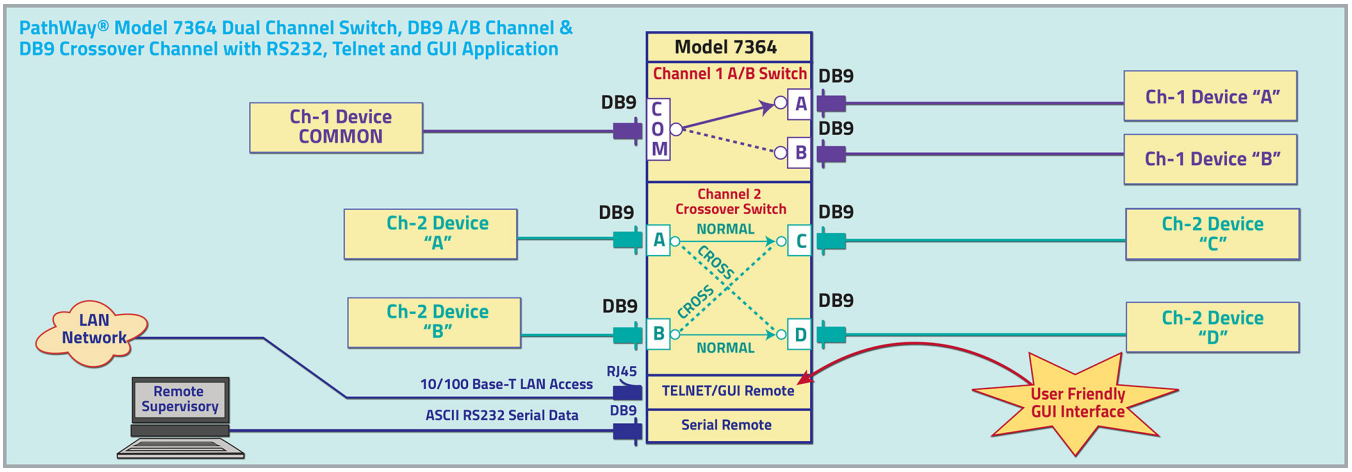
POWER: UL approved 120VAC-240VAC, 50Hz-60Hz wall mount power module supplies 12 VDC, 500mA to the unit Has 2-prong, US, non-polarized plug.

DIMENSIONS: Rackmount configuration
19.0" W x 1.75" H x 8.0" D. (48.3 x 4.4 x 20.3 cm)

WEIGHT: Approximately 4.5 lbs. (2.0 kg)

OPTION: WIDE RANGE POWER MODULE

(Cat No 517277) **CE, RoHS, and UL** listed table mount power module, 100VAC-240VAC, 50Hz-60Hz in place of standard power module. Has IEC 60320 C14 inlet. **Ideal for international applications.**



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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 7364 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.

The Java Applet can also be accessed from the DeviceInstaller application. To control the Model 7364 using DeviceInstaller, follow the steps listed below.

- Open your DeviceInstaller application by clicking "Start->Programs->Lantronix->DeviceInstaller->DeviceInstaller"
- When the DeviceInstaller GUI opens up, the first task it performs is to look for any Lantronix devices attached to the local area network. You will see that, when devices are found, the left pane of the DeviceInstaller GUI will indicate so by displaying information below "Local Area Connection" which is your own local PC. You must then expand the tree of elements until you reach the lowest level, which represents the IP address of your actual device. When you do so, three tabbed panels will appear in the right-most pane as in Figure 2. Please select the pane labeled "Web Configuration".
- The IP Address of the switch will appear at the top of the panel, along with a green 'GO' button. To launch the Model 7364 GUI, simply click the 'GO' button.

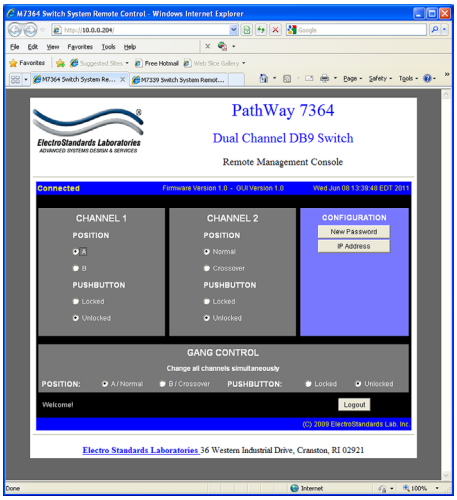


Figure 1: GUI in a Standard Web Browser

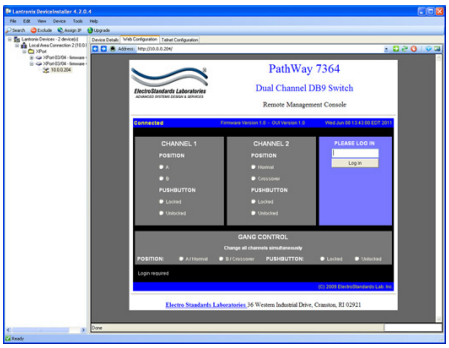


Figure 2: GUI in DeviceInstaller

SOFTWARE FEATURES:

- Access User Interface via standard web browser.
- **Easy to use, simple point and click operation.**
- Remotely access to control or monitor the Model 7364
- Users can change the switch's IP address.
- LAN access gives users across the LAN or over the Internet access to control if user network is configured accordingly.

LOGGING into the GUI

Once logged in, the user can perform one of several actions:

- Change the switch position
- Lockout control of the switch's front panel
- Change the login password
- Re-configure the switch's IP address

Figure 3: Logging into the GUI

USING GANG CONTROLS

Gang controls can be used to change the position or state of all channels simultaneously. When both 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.

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

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

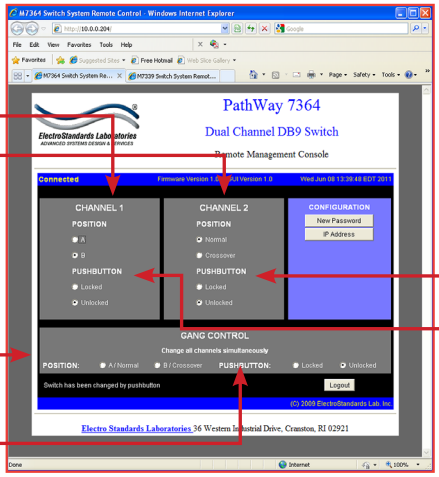
Figure 5: Using the Gang Controls in the GUI (See Figure 4)

CHANGING POSITION AND LOCK STATUS

To change the switch position of a channel independently, click on the radio button "A"/"Normal" or "B"/"Crossover" as desired for each channel. Locking and unlocking the front panel pushbuttons independently, can be done by clicking on the "Locked" or "Unlocked" radio buttons for each channel. See Figure 4.

Switch position by selecting "A" or "B" for Channel 1.

Switch position by selecting "NORMAL" or "CROSSOVER" for Channel 2.



For each channel lock and unlock the front panel operation

Figure 4: Change the position and lockout from the GUI

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