

## PathWay® Model 7339 Cat5e 10/100/1000BASE-T Full/Half-Duplex RJ45 A/B Automatic Fallback Switch with 10/100 BASE-T Remote Port and GUI

- Auto-switch to backup channel B when data is lost on primary channel.
- Data activity "Watch Dog" switch keeps data flowing.

### INTRODUCTION

The PathWay® Model 7339 CAT5e 10/100/1000Base-T RJ45 A/B Automatic Fallback Switch with 10/100 Base-T LAN Telnet Access 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 10/100 Base-T connection and either Telnet commands or Graphical User Interface (GUI). Enclosed in a 1U, full rack size, all metal black chassis designed to provide EMI/RFI shielding and fit in a standard 19" rack.

When in Automatic Fallback Mode, the unit monitors data activity on ports A and B. If activity is lost on port A, the unit checks for data on port B and in the presence of data, switches to position B. The Model 7339 will maintain its connection to port B until data activity is detected on port A, at which time the unit will automatically return to the A position. If no data is present on either port A or on port B, the unit will stay in the A position and continue to monitor for data. The user can override Automatic Fallback Operation from the front panel or GUI interface and force the unit to operate as an A/B switch.

### FEATURES:

- **Automatic switch to secondary line when no data is detected on primary line.**
- All pins of the RJ45 interface are switched.
- Interface meets Cat5e performance.
- All switched signals are passed via latching copper contact relays that maintain their position and continuity in the event of a power loss.
- Control of the switch position from a 10/100 Base-T LAN Ethernet environment.
- Remote Control Telnet Command Interface or Graphical User Interface that allows the user to control switch position, configure Automatic Fallback Mode, lockout front panel operations and obtain switch status.
- Remote Control actions logged by sending time stamped events to a remote SysLog server. User enters internet address of a SysLog and an NTP server to assign time stamp to events.
- Enhanced password security imposing a 13-character minimum length password forcing at least (1) numeric character and (1) special character.
- Simple Network Management Protocol (SNMP) V2.
- LEDs display switch position, mode and power.



### SPECIFICATIONS:

**PORT CONNECTORS:** (3) RJ45(F) connectors labeled A, B and COMMON.

**FRONT PANEL CONTROLS:** (1) Manual pushbutton allows local switching.

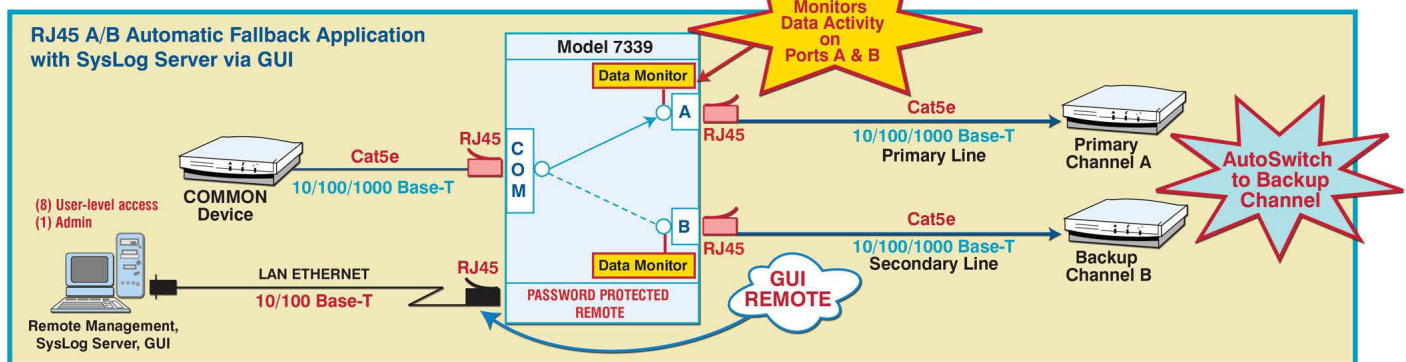
**DISPLAY:** (2) Front panel LED's display switch position and power status.

**REMOTE CONTROL:** (1) RJ45(F) Connector on rear panel accepts 10/100 Base-T LAN Access Ethernet and Graphical User Interface (GUI) for Remote Control operation.

**POWER:** "WIDE RANGE" CE and UL listed table mount power module (Cat No. 521895) 100VAC/240VAC, 50Hz/60Hz. Has IEC 60320 C14 inlet. Ideal for international applications.

**DIMENSIONS:** 19" W x 1.75" H x 10" D.  
(48.3 x 4.4 x 25.4 cm)

**WEIGHT:** 5.5 lbs. (2.49 kg)



## Ethernet Remote Port, I.P. Addressable, with 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 switch's 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.

#### LOGGING INTO REMOTE CONTROL GUI

There is no authentication enabled by default. Enable authentication by clicking the "Enable Authentication" button.



Figure 1: Enable Authentication.

#### LOGGING INTO REMOTE CONTROL GUI

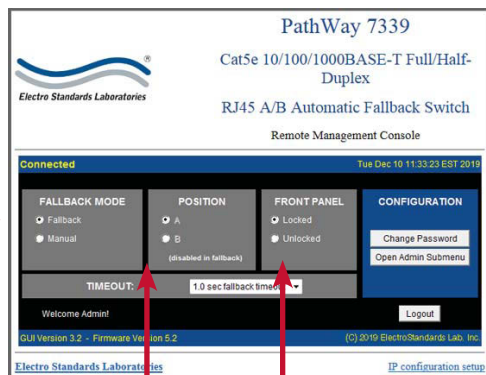
When authentication is enabled, the GUI will prompt for the username and password to be entered before any operation can be done.



Figure 2: Enabled Log In prompting username & password.

#### CHANGING POSITION AND LOCK STATUS

To change the switch position, click on the radio button for "A" or "B" as desired. Locking and unlocking the front panel pushbutton can be done by clicking on the "Locked" radio buttons, respectively. See Figure 3.



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

Lock and unlock the front panel operation

Change the mode by selecting "Fallback" or "Manual".

Figure 3: Change the position and lockout from the GUI

#### CHANGING THE FALLBACK TIMEOUT VALUE

To change the Fallback Timeout Value, select the desired value from the drop down menu. This selection will set the unit to that time value. See Figure 4.



Select the Fallback Timeout Value from the drop down menu.

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

#### CHANGING THE MODE OF THE SWITCH

To change the mode of the switch, click on the radio button for "Fallback" or "Manual". While in Automatic Fallback Mode, the unit changes position based on data. In Manual Mode, the front panel button and A/B GUI buttons are operational. See Figure 3.