SPECIFICATIONS
MODEL 6301
Cat. No. 306301

Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

MADE IN USA

QuickSwitch® Model 6301 Single Channel LC Duplex A/B Switch with Telnet and GUI

▪ IP Addressable For Critical Network Alternate-Path Switching!

INTRODUCTION

The *QuickSwitch®* 6301 Single Channel LC Duplex A/B Switch with Telnet and GUI allows the user the capability of sharing a single port LC Duplex interface device, connected to the "COMMON" port, among two other devices, connected to the "A" and "B" ports. The QuickSwitch® 6301 is enclosed in a 1U, full rack size, all metal, black chassis designed to fit in a standard 19" rack.

Remote access can be accomplished using an Ethernet 10/100Base-T connection with either a Telnet or GUI Session. Proper authentication is required for remote access via the 10/100Base-T connection. Users can then monitor status, lockout front panel pushbutton control, and control switch position.

FEATURES:

- Access any one of two LC Duplex fiber optic networks from one computer.
- The switch ports are transparent to all data.
- All fiber signals are switched via break-before-make MEMS-based mirror/prism switch technology.
- Switch maintains last set position on power loss and continues to pass data.
- When power is restored, unit maintains its position and continues to pass data.
- Front panel pushbutton control.
- Control of the switch position from a 10/100Base-T LAN Ethernet environment. **IP addressable.**
- 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, query serial number and enable/disable autosend of switch positions.
- Graphical User Interface that allows the user to control switch position, lockout front panel operations, and obtain switch status.
- Remote control of the switch is password protected.
- Front panel LED's display present position and power status.
- All A, B, and COM ports are LC, Multi-mode, 50/125 micron, and support a wavelength of 850nm.
- The fiber ports are configured per TIA/EIA-568-B.3, where the TX of the COM port is routed to the RX of the A/B ports and vice versa.

QuickSwitch® Model 6301

SPECIFICATIONS:

FIBER SIZE & WAVELENGTH: 50/125 micron, 850 nm.

PORT CONNECTORS: (3) LC Duplex connectors labeled A, B, and COMMON.

CONTROL: (1) Pushbutton allows selection of switch position.

DISPLAY: (2) Red LED's display switch position and power status.

SUPERVISORY REMOTE PORT: (1) RJ45 (F) connector accepts 10/100 BASE-T LAN Ethernet that uses both TELNET commands and a GUI interface for remote control operation.

POWER: UL approved 100VAC-240VAC, 50Hz-60Hz wall mount power module supplies 12VDC 500 mA to the unit. Has 2-prong, US, non-polarized plug.
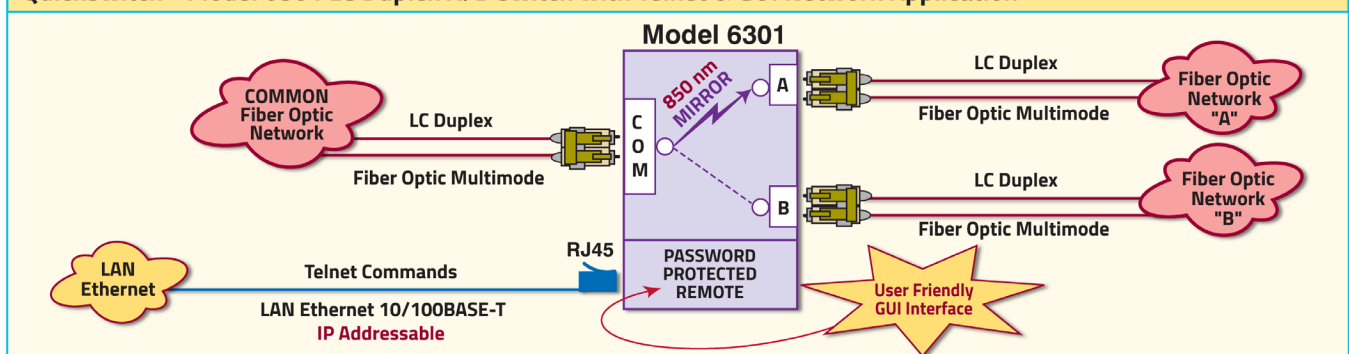
DIMENSIONS: Rackmount, 19.0" W x 1.75" H x 8.71" D. (48.3 x 4.4 x 22.2 cm)

WEIGHT: Approximately 4.1 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 C14 inlet. **Ideal for international applications.**

QuickSwitch® Model 6301 LC Duplex A/B Switch with Telnet & GUI Network Application

® Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

MADE IN USA

SPECIFICATIONS
MODEL 6301
Cat. No. 306301

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 QuickSwitch® 6301 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 the Remote Control GUI

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

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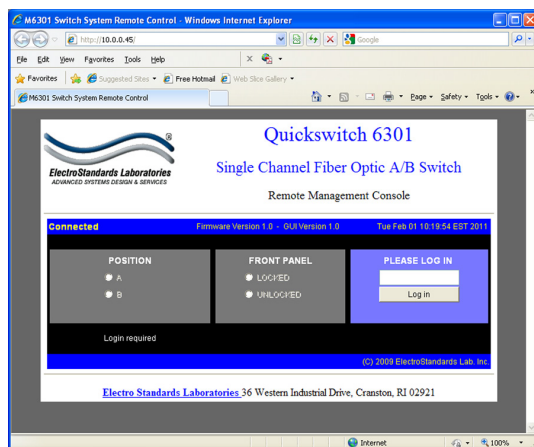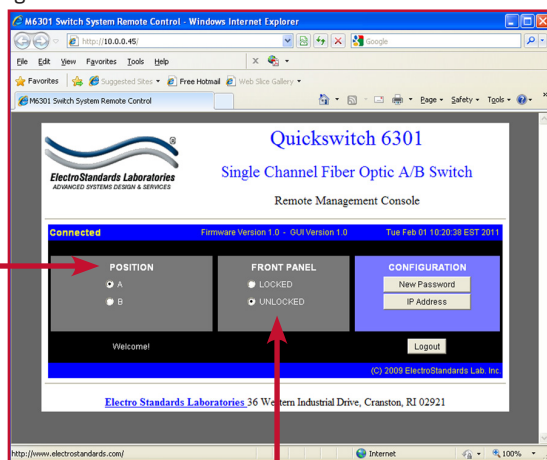- Re-configure the switch's IP address

Figure 2: Logging into the GUI

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 3.
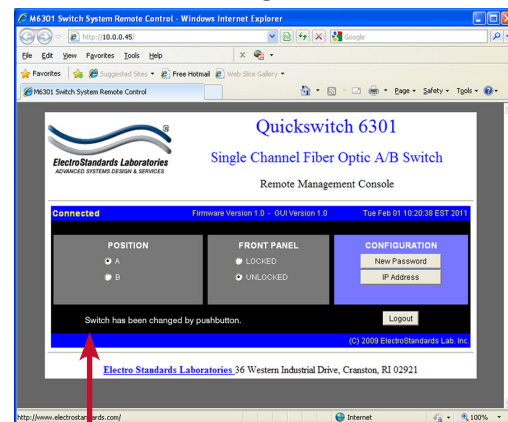

Switch position by selecting "A" or "B".

Lock and unlock the front panel operation

Figure 3: 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. Any changes that are made outside of the GUI, such as by pushbutton, will be reflected in the GUI. These changes will cause the radio buttons of the GUI to automatically change to show the new status. See Figure 4.

Switch has been changed by pushbutton.

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