Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

MADE IN USA

QuickSwitch® 4294 4-Way *All-Optic* Simplex Fiber Switch with Threaded FC Connectors, 100/140 Graded Index Fiber, UPC.

QuickSwitch® 4294 Introduction

QuickSwitch® 4294 Remotely Controllable FC Simplex A/B/C/D, all optical switch, is designed with fiber optic mirror technology. The signal is received by the unit as an optical signal over the fiber strand, is redirected by mirror mechanisms, and leaves the unit as an optical signal over a fiber strand (OOO). *Optimum wavelength is 1300 nm.*

The *QuickSwitch®* 4294 allows a fiber optic device connected to the unit's FC Simplex COMMON connector to access any of the four fiber optic networks connected to the A, B, C, or D ports. Switch position can be changed via the front-panel pushbutton, or from an RS232 Serial Remote Port located on the rear panel.

QuickSwitch® Model 4294

COTS or Customized Switches Available (Call 401-943-1164)

QuickSwitch® 4294 Operation

QuickSwitch® 4294's FC Simplex ports are transparent to all data. Front-panel LEDs indicate the switch position. Position status can also be ascertained from the Remote port connector. Remote switching is accomplished via the RS232 Serial Remote port located on the M4294 rear panel.

The *QuickSwitch®* 4294 has Switch Position Memory. When power is lost, the *QuickSwitch®* 4294 automatically changes to it's default position and will continue to pass data.
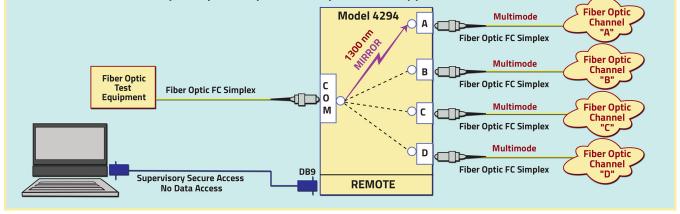
QuickSwitch® 4294 Features

- Optical Scalability.
- Bit-Rate and Data Transparent.
- Service/Protocol Transparent.
- A/B/C/D/COMMON FC Simplex, UPC, not angle polished Rear-Panel Connectors.
- Fiber Strand interface: 100/140 micrometer graded index multimode fiber.
- Front-Panel Pushbutton selects A, B, C, or D positions.
- Front-Panel LEDs Display Switch Position & Power Status.
- Remote Control Via RS232 Serial Remote Port on rear panel.
- MEMS-Based Multimode Mirror Switch supports Gigabit data rates.

SPECIFICATIONS:

WAVELENGTH: OPTIMUM AT 1300 NM

PORT CONNECTORS: (5) FC Simplex Fiber Optic rear panel connectors labeled A/B/C/D/COMMON,.

FRONT PANEL CONTROL: (1) Manual pushbuttons allows local switching.

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

REMOTE: (1) DB9 female connector on rear panel accepts ASCII RS232 Serial Data for Remote Control operation.

POWER: UL approved 100VAC/240VAC, 50Hz/60Hz wall mount power module supplies 12 VDC, 500mA to the unit. Has 2-prong, US, non-polarized plug.

DIMENSIONS: 19.0" W x 1.75" H x 8.12" D. [48.3 x 4.5 x 20.7 cm]

WEIGHT: Approximately 4.6 lbs [2.1 kg]

QuickSwitch® 4294 4-Way All-Optic Simplex Fiber Optic Switch Application

Model 4294

1300 nm MIRROR

Fiber Optic Test Equipment

Fiber Optic FC Simplex

COM

A — Multimode — Fiber Optic FC Simplex — Fiber Optic Channel "A"

B — Multimode — Fiber Optic FC Simplex — Fiber Optic Channel "B"

C — Multimode — Fiber Optic FC Simplex — Fiber Optic Channel "C"

D — Multimode — Fiber Optic FC Simplex — Fiber Optic Channel "D"

Supervisory Secure Access No Data Access

DB9

REMOTE