Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

GSA Schedule
Contract GS-35F-0286V

SPECIFICATIONS
MODEL 6291
Cat. No.306291

QuickSwitch® 6291 Fiber Optic Mirror ST Duplex A/B Switch w/ Contact Control Remote Port

• **Remote controlled switching via contact closure device or custom designed "Toggle Switch Cable".**

INTRODUCTION

The *QuickSwitch®* 6291 ST Duplex Fiber Optic A/B Switch allows a device connected to COMMON port access to the A or B port. The switch may be controlled locally by manually operating the front panel pushbutton or remotely from a remote toggle switch (ESL Cable p/n 986479) connected to the DB9 female interface Remote port located on the rear of the unit. The front panel LED display indicates the switch position and unit power status.

FEATURES:

• Allows quick connection to any one of two ST duplex fiber optic interface devices from one COMMON device.
• ***Manual control*** by the front panel pushbutton.
• ***Remote control*** through a remote toggle switch (ESL Cable P/N 986479) connected to the DB9 Remote port located on the rear panel.
• **MEMS-based mirror/prism switch technology supports Gigabit data rates.**
• The switched Fiber Optic ST Duplex ports are transparent to all data.
• Switch position displayed on front panel LEDs.
• All fiber ports are ST duplex, multimode, 62.5/125 micron and support a wavelength of 1300 nm.
• The REMOTE port is compatible with Remote Toggle Cable, ESL Cat. No. 986479
• Retains last switch position in the event of a power loss and continues to pass data.
• When power is restored, unit switches based on state of contact closure.
★ **Municipalities, schools, government: This product is on GSA Schedule!**

ST/ST Fiber Optic Cables:

ST/ST, 62.5/125, PVC, Multimode Fiber Optic Cables are ESL Cat. No. 981815-XXX.

(Note: "XXX" is required length. State whether length is in feet or meters.)

WIDE RANGE POWER OPTION AVAILABLE:
(Cat No 517277) **CE, RoHS, and UL** listed wall mount power module, 100VAC/240VAC, 50Hz/60Hz in place of standard power module. IEC 60320 C14 inlet. **Ideal for international applications.**

SPECIFICATIONS:

PORT CONNECTORS: (3) fiber optic ST duplex multimode connectors labeled A, B, and COMMON are located on rear panel.

PORT INTERFACE: Ports A, B and COMMON accept fiber optic ST duplex multimode signals and cables. Fiber Size: 62.5/125 micron.

REMOTE: (1) DB9 (F) connector on rear panel accepts contact closure from customer equipment or from ESL Remote Control Cable having a toggle switch at far end and DB9(M) at near end. (ESL Catalog # 986479).

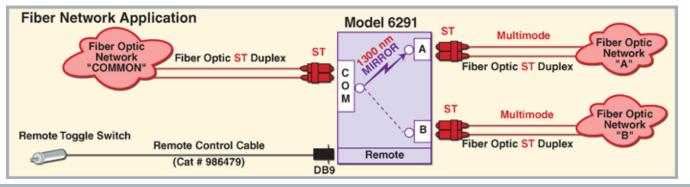**CONTROLS:** (1) Pushbutton on front panel, allows switching to state A or B.

DISPLAY: (2) LED's on front panel indicate switch status and power presence.

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

DIMENSIONS: 7.75" W x 7.25" D x 2.7" H (19.7 x 17.8 x 5.1 cm)

WEIGHT: 2.8 lbs (1.3 Kg)

WAVELENGTH: 1300 nm

For 850 nm version of this switch, see Model 6289 Catalog Number 306289.

Fiber Network Application — Model 6291