

## QuickSwitch® 4173 ST Duplex A/B 100 Base FX - 100 Base TX Switch/Converter

- *Ruggedized for vibration environment.*

### INTRODUCTION

The **QuickSwitch® 4173** ST Duplex A/B 100 Base FX to Common 100 Base TX switch allows the user the capability of accessing two separate fiber optic 100 Base FX ports from a 100 Base TX port. The switch is fully compliant with the 802.3u 100 Base TX/FX standard. The switch may be controlled manually via a front panel push button or remotely from an RS-232 serial port located on the rear of the unit. Switch position status may be attained via the front panel LED display or the remote RS-232 serial port located on the rear of the unit.

### OPERATION

**100 Base FX A/B Ports:** Ports "A" and "B" are 1300nm, ST Duplex, Multimode, 100 Base FX fiber optic ports. The selected fiber optic port will convert and pass data to and from the 100 Base TX common port.

**100 Base TX Common Port:** The RJ45 Female Common Port is a 100Base TX Fast Ethernet port. The 100 Base TX

"Common" port will convert and pass data to and from the selected 100 Base FX port "A" or "B".

**Switch Control:** The switch position may be controlled manually via a front panel push button located on the front of the unit, or remotely from a remote RS-232 serial port located on the rear of the unit. To switch manually simply press the front panel push button and the switch will change to the new selected position as indicated by the front panel LED's. Remote switching of the unit is done through an RS-232 (DB-9) serial port located on the rear of the **QuickSwitch® 4173**, which may be connected to any standard RS-232 port on a computer. The computer once connected to the remote port may use any common terminal emulation software (i.e. WINDOWS95 Hyperterminal software) to access the remote port on the **QuickSwitch® 4173**.

### FEATURES:

- *Ruggedized-for-vibration version of the QuickSwitch® 4183.*
- Built in fiber optic / copper medium conversion allows access to two separate fiber optic ST ports (ports A and B) from a Fast Ethernet RJ45 port.
- Front panel pushbutton changes the switch position eliminating the need to plug and unplug fiber optic patchcords.
- *MIL type power connector. Mating cable supplied with unit.*
- Switch position displayed on front panel LED's.
- DB9/Female RS232 REMOTE port for remote control applications.
- A & B ports ST Duplex, 1300 nm, 100 Mbps multimode.
- COM port RJ45 100-Base-TX.



### SPECIFICATIONS:

**PORT CONNECTORS:** (2) ST Duplex female connectors labeled A, and B. (1) RJ45 female connector labeled COMMON.

**WAVELENGTH:** 1300 nm.

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

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

**REMOTE:** (1) DB9 female connector on rear panel accepts RS232 Serial Data for remote control operation.

**POWER:** A six-foot power cable with MIL Bayonet locking circular connector is supplied with the unit. Customer must supply 5VDC (Range 4.9 to 5.3 VDC) to this cable. Current rating is 1.5 Amps.

**DIMENSIONS:** Desktop 7.5" W x 2.0" H x 7.0" D.

**WEIGHT:** 3.8 lbs

### Model 4173 Application / Function

