

**Model 4515 8-Channel A/B Single Contact Relay Port Switch, RJ11 Interface with 10/100 Base-T LAN Access and Serial Remote Access**

**INTRODUCTION**

The Model 4515 allows the user the capability of sharing a device connected to a single pin of each RJ11 interface port (the "COMMON" port pin) between two other devices connected to the "A" and "B" pins for each port. Remote access can be accomplished by a web based GUI interface through 10/100 Base-T Ethernet connection or using ASCII commands sent to the unit via an RS232 connection.

**Model 4515 Features:**

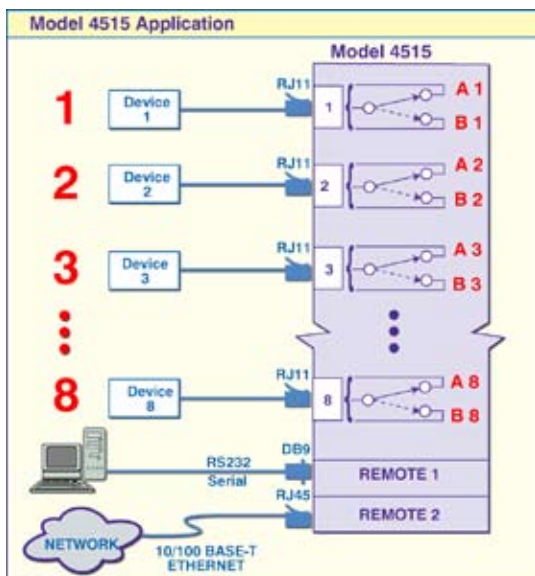
- The switched pins are transparent to all data.
- RJ11 interface each port, 1-8.
- Each port has (4) active contacts: Normally OPEN; Normally CLOSED; the WIPER contact of the relay; and a pin for SG (signal ground referenced to the switch unit).
- Switch position controlled remotely via either of two remote control ports: RJ45 10/100 BASE-T Ethernet port, or a DB9 female RS232 Serial port.
- IP access control of unit by entering the IP address into a standard web browser such as Netscape or Internet Explorer.
- IP address is static and manually configurable.
- View status of each port and control each port independently from web browser.
- Serial port remote control by sending ASCII character commands to the unit. Command set allows the user to change position of each port; query status of each port.
- (16) Front panel LED's also display the status of each port relay.
- The unit defaults to the Normally CLOSED position in the event of a power loss to the unit.
- External power supply plugs onto 90-240 VAC 50/60 HZ outlet. The operating temperature range of the supply is 0° to 70 °C.



**Specifications**

Model:4515

- Connectors:** (8) RJ11 connectors, ports 1 - 8.  
**Remote A:** (1) DB9/female, RS232 serial interface port.  
**Remote B:** (1) RJ45 connector, 10/100 Base-T Ethernet interface port.  
 (1) power jack.  
**Display:** (16) LED's to indicate position status and power.  
**Power:** UL Approved 110 VAC / 60 Hz Wall Mount Power Module supplies 12 VAC / 0.5 Amp (included with Model 4515).  
**Dimensions:** 2.7" H x 7.8" W x 7.25" D.  
**Weight:** 3.lbs.



**PORTS 1 - 8, RJ11 CONFIGURATION ONE FOR EACH CHANNEL**

RJ11 PIN #	Configuration
2	A (Closed) Position
3	B (Open) Position
4	Common Relay Connector
5	Ground

**Custom cables available.**

### Model 4515 Software Features:

- Access User Interface via standard web browser.
- Login password authentication required.
- Easy to use, simple point-and-click operation.
- Remotely access to control or monitor the Model 4515 Switch System
- Users can change the login password and/or the switch's IP address.
- LAN access gives the user across the LAN or over the Internet access to control if user network is configured accordingly.

Initial Screen for Remote Panel Control



Screen for Remote Panel Control after login.



Screen Capture showing Switched Positions



### REMOTE "A" SWITCH CONTROL (DB9)

A computer or other terminal type device that can generate ASCII commands can communicate and control the Model 4515. A computer connected to the remote port may use any common terminal emulation software (i.e. WINDOWS Hyperterminal software) to access the remote port. Simply configure the terminal software for VT100 or compatible mode, choose the correct COM port of the computer, and set the data format as follows:

1. Baud Rate: 9600
2. Data bits: 8
3. Stop bits: 1
4. Parity: None

SIGNAL NAME	DB-9 PIN #	SIGNAL DIRECTION
TD	3	→ IN
RD	2	← OUT
SG	5	—

### REMOTE "B" SWITCH CONTROL (RJ45)

The Model 4515 8-Channel A/B RJ11 Switch System allows the user the capability of remote access to the switch through the LAN access port. The software will download automatically from the Model 4515 switch, once the network settings are appropriately set. The GUI interface requires that the JAVA plug-in be installed on the host PC. Once the PC's browser is Java-enabled, the user can connect to the switch from a computer on the same LAN as the Model 4515 by launching the browser and typing in the IP address.

SIGNAL NAME	RJ45 PIN #	SIGNAL DIRECTION
XMT - A	1	← OUT
XMT - B	2	← OUT
RCV - A	3	→ IN
RCV - B	6	→ IN