

## Model 4520 DB15 A/B Switch w/Remote Control (Contact Closure)

- Operates on 28 VDC Supplied to Unit

The Model 4520 is a DB15 Interface A/B Switch. Each of the A, B, and COMMON ports are DB15/female. The switch allows a device connected to the COMMON port to be shared between two devices; one connected to Port A, the other to Port B. For local control, a front panel button changes the switch position. Switch position and power status is displayed on the front panel LEDs.

The unit also includes a DB9 Remote port on the rear panel. A simple dry contact closure across the specified pins of the Remote port provides the change position command to the switch. Lockout pins on the Remote port, when shorted, lockout front panel control of the switch position.

### Features:

- Supports switching of all (15) signals of the DB15 connector interface
- Local switching via front panel pushbutton
- (2) Status LED's, A/B, on the front panel indicate the switch position & power status.
- Remote control via contact closure control across pins 1 & 2 of the DB9 REMOTE port connector
- Contact OPEN/CLOSE control status: OPEN => change to position A; CLOSE => change to position B.
- For lockout of front panel pushbutton control, short across pins 3 & 4 of the DB9 REMOTE port connector. Otherwise unit will switch remotely based on transition of state between OPEN and CLOSE of pins 1 & 2 contact status. Specifically, a CLOSE to OPEN change => switch to position A; OPEN to CLOSE change => switch to position B.
- Power supplied to unit over pins 7 & 8 of the DB9 connector.
- Copper contacts permit signals to pass through the switch. Unit is transparent to data and speed.
- Switch maintains position and signal pathway even if power to the unit is lost
- Ground stud on rear panel to provide single point chassis connection for shielding
- Four threaded steel inserts, 6/32 thread size, on bottom side of unit to allow fixed mounting of the unit to a surface



MODEL 4520 REAR PANEL

MODEL 4520 FRONT PANEL

### MODEL 4520 SPECIFICATIONS

#### Connectors:

(3) DB15/female ports A, B, and COMMON.

#### Shielding:

A ground stud on the rear panel provides conductive access to the shielded aluminum enclosure.

#### Controls:

(1) Pushbutton to select port A or B.

#### Display:

(2) Red LEDs display switch position and indicate power presence.

#### Remote & Power Port:

(1) DB9/female port - contact closure control of switch position and front panel lockout.

28VDC power to be supplied across pins 7 & 8 of the DB9 connector.

#### Dimensions:

2.8"H x 7.8"W x 7.25"D; approx. 3 lbs

### MODEL 4520 APPLICATION:

