

Model 4148 Normal/Redundant Fallback Switch

The Model 4148 Normal/Redundant Fallback Switch allows data broadcast. TD of the RS232 interface, from two data origination devices is channelled to two devices designated as destination devices. The Model 4148 will self-configure its connectivity based on the devices connected to it, or the user can override its connection status from a front panel pushbutton. Four front panel LED's display the connectivity status and verify power connection at all times.

Automatic Operation

During Normal mode, the origin device connected to port D1 is connected to port COM1; and the device connected to port D2 is connected to port COM2. If the RTS signal is lost from the device connected to D1, the Model 4148 changes to Redundant Fallback mode and automatically broadcasts the data from the D2 device to *both* destination devices, COM1 and COM2. Likewise, if the RTS signal is lost from the device connected to the D2, the Model 4148 automatically broadcasts the data from the D1 device to *both* the devices COM1 and COM2. One of the status LED's will be lit steady ON to reflect the connectivity status and signify that the unit is in Automatic Operation.

Manual Override Operation

To override Automatic Operation, the user simply depresses the front panel pushbutton and holds it for 5 seconds then releases. The status LED previously lit steady ON begins to flash representing Manual Override operation. Momentarily depressing and releasing the pushbutton then allows the user to change the switch connectivity. To change back to Automatic Operation, depress and hold the pushbutton for 5 seconds and the switch will automatically connect.



APPLICATION:

Valid Automatic Operation states:

D1 > COM1 and D2 > COM2 *Normal Mode*;
D1 > COM1 and D1 > COM2 *Redundant Fallback mode-1*;
D2 > COM1 and D2 > COM2 *Redundant Fallback mode-2*.

Valid Manual Override Operation states:

D1 > COM1 and D2 > COM2 *Normal position*;
D2 > COM1 and D1 > COM2 *Crossover position*;
D1 > COM1 and D1 > COM2 *Redundant Fallback position-1*;
D2 > COM1 and D2 > COM2 *Redundant Fallback position-2*.

MODEL 4148 SPECIFICATIONS:

Controls: (1) Front panel pushbutton

Indicators: (4) High intensity red LEDs

Signals Supported: TD, RTS, GND

Connectors: (4) DB9/F data signal interface;
(1) power jack.

Power: 115VAC 60Hz (wall transformer).

Dimensions: 7.75"W x 2."H x 7.5"D.

Weight: 2 lbs.

Model 4148 Normal/Redundant Data Broadcast Application

