Electro Standards Laboratories

ADVANCED SYSTEMS DESIGN & SERVICES

SPECIFICATIONS
MODEL 7276
Cat. No. 307276

Model 7276 Single Channel RS-232/RS-530 A/B Switch with Fallback & Remote Control Port

• Automatic Switch to Backup via Data Activity and Data Carrier Monitor

Features:

- Switch to backup automatically via Data Activity or DCD trigger monitor. Switches back when signals restore.
- Switch manually via front panel or remotely via contact closure.
- The switch ports are transparent to all data.
- All switched signals are passed via copper contact relays that maintain their position and continuity even in the event of power loss or failure.
- LED's on front panel display control mode, switch position, and power status.
- Unit mounts in standard 19" equipment rack, 1U rack space.

INTRODUCTION:

The Model 7276 Single Channel RS-232 / RS-530 A/B Switch provides single channel switching in a low profile, 19-inch 1U rack unit. The Model 7276 allows the user the capability of sharing a single DB25 interface device connected to the Common port among two other devices connected to the "A" and "B" ports.

The switch may be controlled locally by manually operating the front panel push button, remotely from the DB15 Control port located on the rear of the unit, or as Auto Fallback based on data activity or DCD presence. The front panel LED display indicates the switch position and unit power status.

OPERATION

Switched Ports / Interface:

The switched DB25/Female ports (A, B, and COMMON) are transparent to all data. The ports may be switched via the front panel push button or the remote control port on the rear of the unit.

Switch Control:

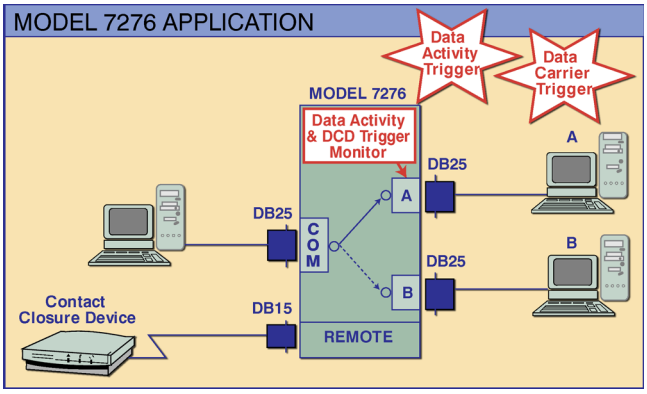
The switch position is controlled from front panel push button controls in the manual mode, or automatically as an Auto Fallback switch. When in the Auto Fallback mode, the unit can be configured to fallback based on data activity (pins 3 & 16 of the DB25 port A connector) or DCD presence (pin 8 & 10 of the DB25 port A connector). Override of the switch position when in Auto Fallback mode is accomplished via the DB15 Control port on the rear of the unit.

The default operation of the switch is set to Auto Fallback mode. The switch can be changed to operate in "local" A/B switch mode, i.e. A/B port selection from the front panel pushbutton.

AUTO FALLBACK MODE OPERATION: Data Activity (factory default mode)

In this mode, the unit will be in the A position as long as there is RD data activity detected on port A, pins 3 & 16. If data activity is lost for one second or longer, the unit automatically switches to the B position. As soon as RD activity is again detected on port A, the unit automatically returns to the A position.

While in the Fallback mode of operation, contact closure detected at the DB15 Control port (pins 2 & 4) will take priority over data activity on pins 3 and 16. If contact closure is detected between pins 2 & 4 of the DB15 connector (the pins are shorted together) for greater than one second, the switch will change state from A to B. If the contact is then opened between pins 2 & 4 for a second or longer, the unit will return to A if data activity is present, otherwise the unit will remain in the fallback or B position.



Specifications:

CONNECTORS: (3) DB25(F) connectors on rear panel labeled A, B, and COMMON.
FRONT PANEL CONTROLS: Manual pushbutton allows alternate action A/B switching when in manual mode.
REMOTE CONTROL: (1) DB15(F) connector on rear panel accepts contact closure signals.
FRONT PANEL DISPLAY: (2) LED's labeled A and B display switch position and power status.
POWER: Jack on rear panel accepts power from UL Approved, 120 VAC, 60 Hz wall mount power module (included with unit).
DIMENSIONS: 1.75"H x 19.0"W x 10.0"D
WEIGHT: Approx. 3.5 lbs.

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