Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

GSA Schedule
Contract GS-35F-0286V

SPECIFICATIONS
MODEL 7146 (Cat. No. 307146)

PathWay Model 7146 6-Channel Normal/Bypass Switch, E1 Interface with Remote Control

- **Allows New Equipment to be Added-To or Bypassed-From E1 Data Links.**
- **Ideal for inserting or removing devices that are concatenated, linked together in a chain or series.**

Six-Channel System Switch: Model 7146

Model 7146 has six complete Normal/Bypass switch functions in the rackmount enclosure of 2U high (2U is 3.5 inches) x 19 inches wide x 8 inches deep. Twenty-four RJ48 connectors, one Remote Control connector and one Power connector are on the rear panel. Each switch channel is able to be switched singly or all channels as a group. Only one power supply is needed.

The Model 7146 6-Channel Normal/Bypass Switch, E1 Interface with Remote allows the user the capabililty of accessing four separate devices per channel and setting each group of devices to a pre-determined configuration based on whether the channel is set to Normal or Bypass. Each switch may be controlled manually via a front panel pushbutton or remotely from an RS232 serial port located on the rear of the unit. Switch position status may be attained via the front panel LED display or the Remote RS232 serial port (DB9) located on the rear of the unit. All 8 pins of the RJ48 are switched.
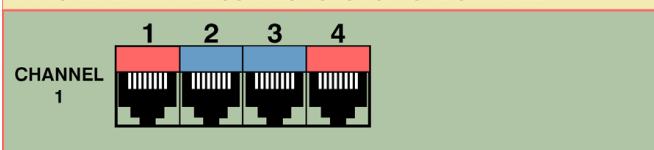
FEATURES:

- **Model 7146 is a 6-Channel unit.**
- Channels can be switched independently, or as a group.
- All (8) pins of the RJ48 interface are switched via break-before-make electromechanical relays.
- The switch ports are transparent to all data.
- Local control via front-panel pushbuttons.
- Front panel LED's display switch position and power status.
- Remote control port allows off-site monitoring and switch management.
- When data activity is lost, unit automatically switches to BYPASS mode.
- When power is lost, unit automatically switches to BYPASS mode, ensuring that traffic continues to flow on the network.
- When power is restored, unit loads previous position and mode of operation.
- Attractive all metal black box packaing provides EMI/RFI shielding.
- **A 3-Channel unit is also available (Model 7143, Cat 307143).**
- **A 1-Channel unit is also available (Model 7141, Cat 307141).**

SPECIFICATIONS:

PORT CONNECTORS: (24) RJ48 female connectors (Four connectors labeled 1, 2, 3, 4, for each of the six channels).

FRONT PANEL CONTROLS: (6) Manual pushbuttons allow local switching.

DISPLAY: (12) Front panel LED's display switch position and power status.

REMOTE: (1) DB9 (F) connector on rear panel accepts ASCII RS232 Serial Data for Remote Control operation.

POWER: "Wide Range" CE, RoHS, and UL listed table mount power module (Cat. No. 517277) 100VAC/240VAC, 50Hz/60Hz. Has IEC 60320 C14 inlet. Ideal for international applications.

DIMENSIONS: Rackmount 19.0" W x 3.5" H x 8.0" D. (48.3 x 8.9 x 20.3 cm)

WEIGHT: Approximately 8.0 lbs (3.6 kg).

TYPICAL REAR PANEL CONNECTIONS FOR ONE CHANNEL

TYPICAL NORMAL/BYPASS SWITCH FUNCTION FOR ONE CHANNEL