Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

PathWay Model 7143 Three-Channel Normal/Bypass Switch, E1 Interface with Remote Control

• **Allows New Equipment to be Added-To or Bypassed From E1 Data Links**

Three-Channel System Switch: Model 7143

The PathWay® Model 7143 Three-Channel Normal/Bypass Switch, E1 Interface with Remote allows the user the capability 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 push button or remotely from an RS-232 serial port located on the rear of the unit. Switch position status may be attained via the front panel LED display or the remote RS-232 serial port (DB9) located on the rear of the unit.

The Model 7143 dimensions are 19"W x 8"D x 1.75"H with rack mounting and it weighs approximately 4.5 lbs. All switch ports are RJ48 female compatible. All 8 pins of the RJ48 are switched.

FEATURES:

• Rackmount Configuration.
• Local or Remote Control.
• LED's Display Switch Position.
• Automatic Switch to Bypass, if data activity is lost.
• Automatic Switch to Bypass mode, if power is lost.
• E1 ports are RJ-48 Connectors located on the rear panel.
• Model 7143 is a 3-Channel unit.
• Channels can be switched independently.
• UL approved wall mount power module supplied with unit.
• Power module accommodates wide voltage range.
• A 1-Channel unit is also available (Model 7141, Cat 307141)
• A 6-Channel unit is also available (Model 7146, Cat 307146).

SPECIFICATIONS:

PORT CONNECTORS: (12) RJ48 female connectors (Four connectors labeled 1, 2, 3, 4, for each of the three channels).

FRONT PANEL CONTROLS: (3) Manual pushbuttons allow local switching.

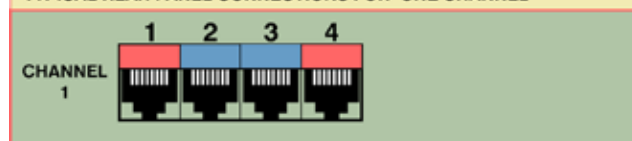**DISPLAY:** (6) Front panel LED's display switch position and power status.

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

POWER: UL approved 100 - 240 VAC, 47-63 Hz wall mount power module supplies 12 VDC, 2.0A power
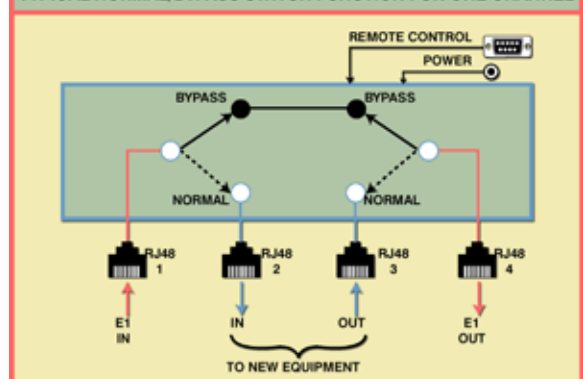
DIMENSIONS: Rackmount 19.0" W x 1.75" H x 8.0" D.

WEIGHT: Approximately 4.5 lbs

TYPICAL NORMAL/BYPASS SWITCH FUNCTION FOR ONE CHANNEL

TYPICAL REAR PANEL CONNECTIONS FOR ONE CHANNEL

Power Module (Cat No. 516265) is supplied with All Normal / Bypass Switch Models.

• The UL Approved wall mount power module plugs into a 100-240 VAC / 47-63 Hz wall receptacle and supplies the Bypass Switch with 12 VDC / 2.0A power.