Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

MADE IN USA

SPECIFICATIONS
MODEL 7902
Cat. No. 307902

PathWay® Model 7902 10-Channel A/B/C/Offline Multi-Interface Switch: (3) 4-Pin 3.5mm Audio, (3) RJ45 Cat5e, (3) HDMI Video, (1) 120 Volts Power A/B/C/Offline with RS232 Remote

- Quickly and easily switch all ten channels (Data, Audio, Video and Power) simultaneously!
- Ideal for conference room applications that require switching video cameras to codec or display units.
- Ideal for conference room applications that employ smart cameras having an HDMI Video Channel, an Ethernet port to control camera movement, an audio port for integrated sound.

INTRODUCTION

The PathWay® Model 7902 10-Channel (3) RJ45 Cat5e POE 802.3af & 802.3at Compliant, (3) 4-Pin 3.5 mm, (3) HDMI A/B/C/Offline Switch, and 120 Volts A/B Switch with RS-232 Remote allows the user the capability of sharing a single port RJ45 Cat5e, 3.5mm, HDMI and/or 120 Volts interface device, connected to the "COMMON" port, among three other devices, connected to the "A", "B", and "C" ports. The Model 7902 is enclosed in a 3U, full rack size, all metal, black chassis designed to provide EMI/RFI shielding and fit in a standard 19" rack.

The switch may be controlled manually via the front panel push buttons 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 RS-232 Serial port located on the rear of the unit. The Online/Offline status of all channels can be switched simultaneously via front panel pushbutton control.

FEATURES:

- Simultaneously switch all ten channels between A, B, C, and Online/Offline positions locally via front panel pushbuttons.
- The switch ports are transparent to all data.
- All (8) pins of the RJ45 Data interface are switched via break-before- make electromechanical relays.
- All (4) leads of the 4-Pin 3.5mm Audio interface are switched via break-before-make electromechanical relays.
- All (19) pins of the HDMI Video Interface are switched via break-before-make electromechanical relays.
- IEC C14 male connector port for the COMMON port.
- COMMON port is power in.
- AC Socket for A, B, and C ports.
- Contacts rated for 120 VAC 10A current (Non-inductive load).
- Power only on the port selected, with no power going to the non-selected port.
- Simultaneously control all channel's Offline/Online status.
- Upon power loss, the unit will power down to the OFFLINE position and not allow data or switched power to pass.
- Upon power return, the unit will remain in the OFFLINE position and will continue to not pass data or switched power until the user places the unit in the ONLINE position.
- Front panel pushbutton control.
- Remote RS232 ASCII commands that allow the user to control switch position, lockout front panel operations, obtain switch status, query firmware version number, query serial number, and enable/disable autosend of switch positions.
- Simultaneous control of channels.
- Front panel LED's display the present position and power status.

SPECIFICATIONS:

PORT CONNECTORS:

- (12) RJ45 Cat5e female connectors; three labeled A, B, C, and COMMON for each channel
- (12) 4-Pin 3.5mm connectors; three labeled, A, B, C, and COMMON for each channel.
- (12) HDMI connectors; three labeled, A, B, C, and COMMON for each channel.
- (3) AC Socket (F) A/B/C Signal ports.
- (1) IEC C14 (M) Common Signal port.

FRONT PANEL CONTROL: (4) Manual Pushbutton allow for local switching and toggling of the Online/Offline status

DISPLAY: (5) Front panel LED's display switch position and Online/Offline status. Indicate power status for the A/B/C ports

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

POWER: UL approved wall mount 100VAC-240VAC, 50Hz-60Hz power module supplies 12 VDC, 1A to the unit. Has 2-prong, US, non-polarized plug

DIMENSIONS: 19.0"W x 5.2"H x 12.1"D. (48.3 x 13.4 x 30.9 cm)

WEIGHT: Approx. 10.8 lbs. (4.9 kg)

WIDE RANGE POWER OPTION AVAILABLE:
(Cat No 517277) CE, RoHS, and UL listed table mount power module, 100VAC-240VAC, 50Hz-60Hz for use in place of standard power module that is included with the unit. Has IEC 60320 C14 inlet. Ideal for international applications.

- **Certified for Cat 5e compliance.**
- **Certified for POE 802.3af & 802.3at compliance.**
- **HDMI supports 1080p.**

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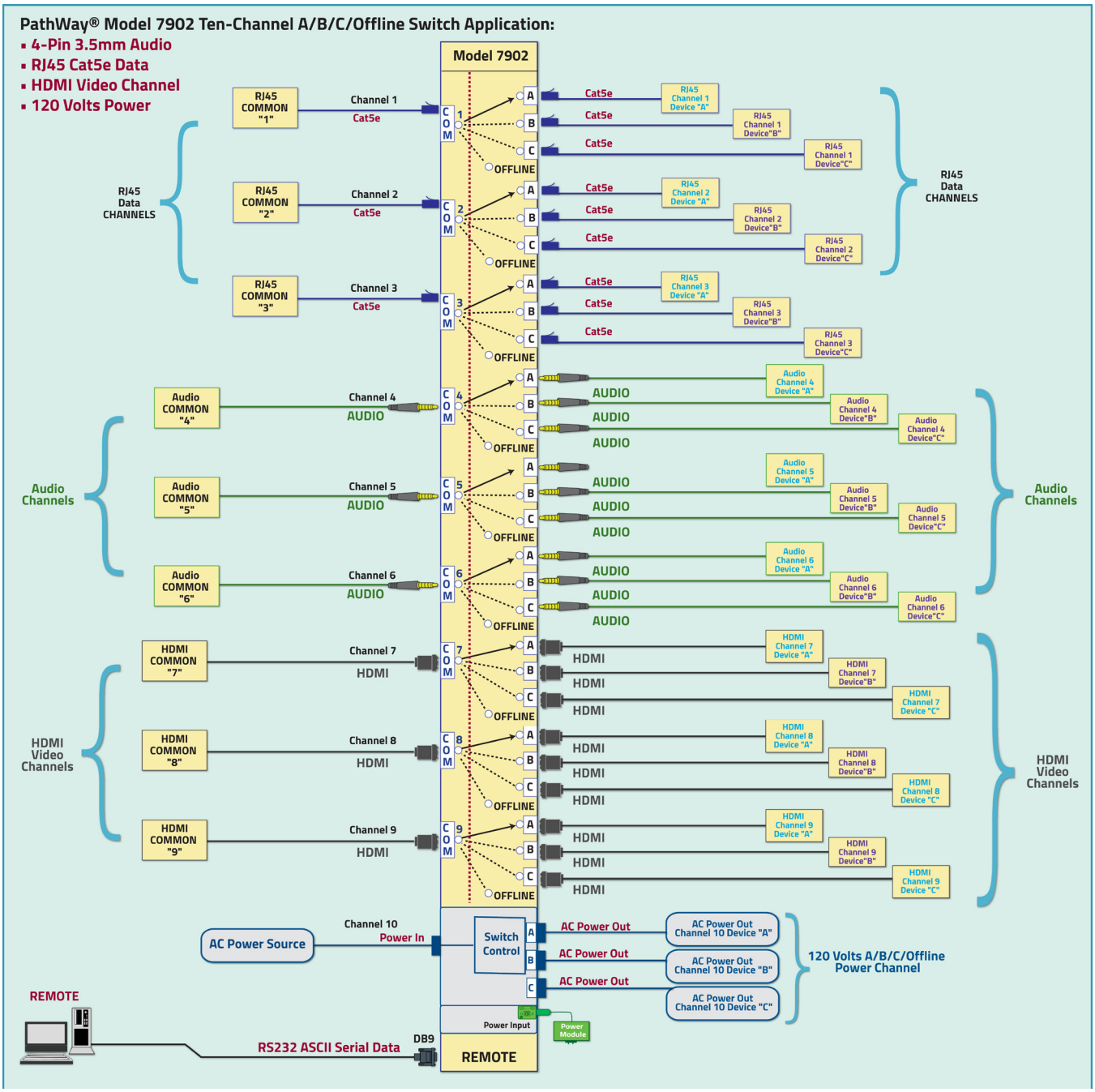

CUSTOMER SUPPORT

For customer assistance, ordering assistance, or communications cables of any length or configuration, please contact Electro Standards Laboratories, (877) 943-1164 and ask for sales/customer support.

TECHNICAL SUPPORT

For technical support with unit operation, cable configuration, etc., please contact Electro Standards Laboratories, (877) 943-1164 and ask for technical support. Please have the unit model number and serial number available when you call.

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