

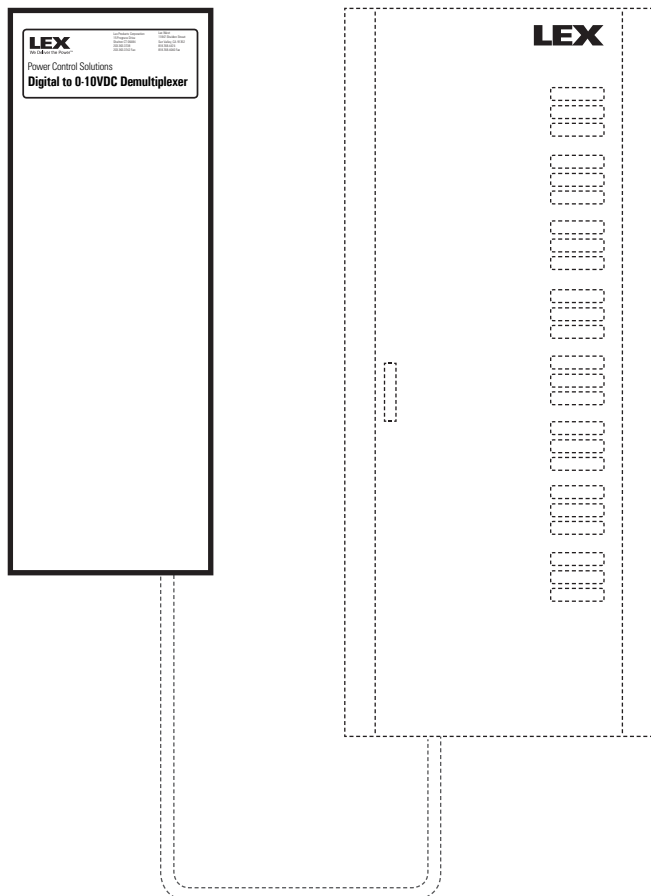
PCS TRIO™

Digital to 0-10VDC Demultiplexer



LEX

WE DELIVER THE POWER™



Catalog Number:
 PCS-I-DEMULT-ETHER
 PCS-I-DEMULT-RJ485

General Information:

The Lex Products PCS TRIO™ Digital to 0-10VDC Demultiplexer is a wall-mounted device that converts digital signals into 16 channels of analog control voltage. The device is designed to work in concert with PCS TRIO™ relays for the control of fully isolated LED fixtures requiring mains switching and 0-10VDC dimming as well as Mark VII type electronic fluorescent ballasts.

The Demultiplexer is an accessory of the PCS TRIO™ line, a revolution in power management by controlling power to Incandescent Loads, LEDs, Moving Lights and other applicable equipment.

See additional materials for detailed information.

Markets Served:

Entertainment, Architectural

Related Items

Model	Description
Modules	
PCS-A-MD-RRR	A-Series Module-Triple Single Pole Relay
PCS-A-MD-R2R	A-Series Module-(1) Single Pole Relay 120V 20A / (1) Double Pole Relay 240V 20A
PCS-A-MD-D2R	A-Series Module-(1) SCR Dimmer 120V 20A / (1) Double Pole Relay 240V 20A
PCS-A-MD-DRR	A-Series Module-(1) SCR Dimmer 120V 20A / (2) Single Pole Relays 120V 20A
PCS-A-MD-DDD	A-Series Module-Triple SCR Dimmers 120V 20A
PCS-A-MD-PPP	A-Series Module-Plenum
Module Chambers	
PCS-I-A-MC-04	Installation A-Series Module Chamber (4) Module
PCS-I-A-MC-08	Installation A-Series Module Chamber (8) Module
PCS-I-A-MC-16	Installation A-Series Module Chamber (16) Module
Chamber Controller	
PCS-I-CC	Chamber Controller Module

See individual datasheets for details

PCS TRIO™

- Revolutionary new panel merges the power regulation of LEDs, moving lights and incandescents into a single unit
- Significant convenience and cost-efficiency is achieved through reductions in the installation of cabling and conduit
- Patent-pending bussing design provides all phases of power at each module location

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Mechanical

- Demultiplexers are designed for wall mounting to ensure a diversity of placement location options.
- Device enclosures are manufactured using cold rolled, powder-coated 18 gauge steel panels and are rated NEMA1.
- Devices ship fully factory wired and ready for installation.
- Device components are factory mounted and housed within the enclosure.
- A removable formed powder-coated 18 gauge steel faceplate provides access to component terminations and device configuration settings.
- Communication input wiring connections have discrete quick-connect screw terminations that may be removed from the components to facilitate easy wiring installation or replacement.
- All incoming communication ports and remote contact input connections are optically isolated from all processor electronics by a minimum of 2,500V RMS isolation.
- 10mA current source per channel
- 30mA current sink per channel
- 250V DMX fault protection
- End-of-line DMX termination switch

Electrical

- Each Demultiplexer enclosure contains one (1) 24 VDC, 30W output power supply requiring (1) 110/240VAC 50/60Hz input.
- **NOTE:** The Demultiplexer is NOT intended for use with non-isolated or Class 1 fixture drivers. Use of the Demultiplexer with these devices may cause damage and is not covered under warranty.

Operation

- Each Demultiplexer supports the following control protocols:
 - DMX-512A
 - RDM
 - E1.31 sACN
 - Art-Net
- A dry contact closure input shall be provided as a panic override.
 - When the input is shorted (closed), all outputs shall be forced to full on, regardless of input values.
- Pushbuttons on the device components provided for system configuration.
- LED display provides information for panel configuration.
- LED indicators display power and processor state
- Contact Closure "panic" input drives all outputs to full
- 16 analog outputs
- Selectable 0-10, 0-15, 0-2.5, & 0-5V output modes, or fully user-customized min/max.
- DMX pass-thru connector

Recognition

- PCS TRIO™ Digital to 0-10VDC Demultiplexers are cETLus Listed.

Module	Height		Width		Depth		Weight	
	23.00"	58.42 cm	10.00"	25.40 cm	4.50"	11.43 cm	10.00 lbs.	4.54 kg
PCS-I-DEMULT-ETHER	23.00"	58.42 cm	10.00"	25.40 cm	4.50"	11.43 cm	10.00 lbs.	4.54 kg
PCS-I-DEMULT-RJ485	13.00"	33.02 cm	10.00"	25.40 cm	4.50"	11.43 cm	7.50 lbs.	3.40 kg



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