



PCS TRIO™

Power Control for Lighting, Audio, and Video Equipment

**DON'T
FORGET TO
ACCESSORIZE
YOUR PCS
TRIO™!**

Power control for the full range of
lighting, audio and video...
RE-IMAGINED!

- Deliver power to a wide range of devices in a single panel
- Modules connect dimmers, single pole, and double pole relays to all phases of power
- Integrate easily with other power control and management devices



Power control for the
full range of lighting,
audio, and video...

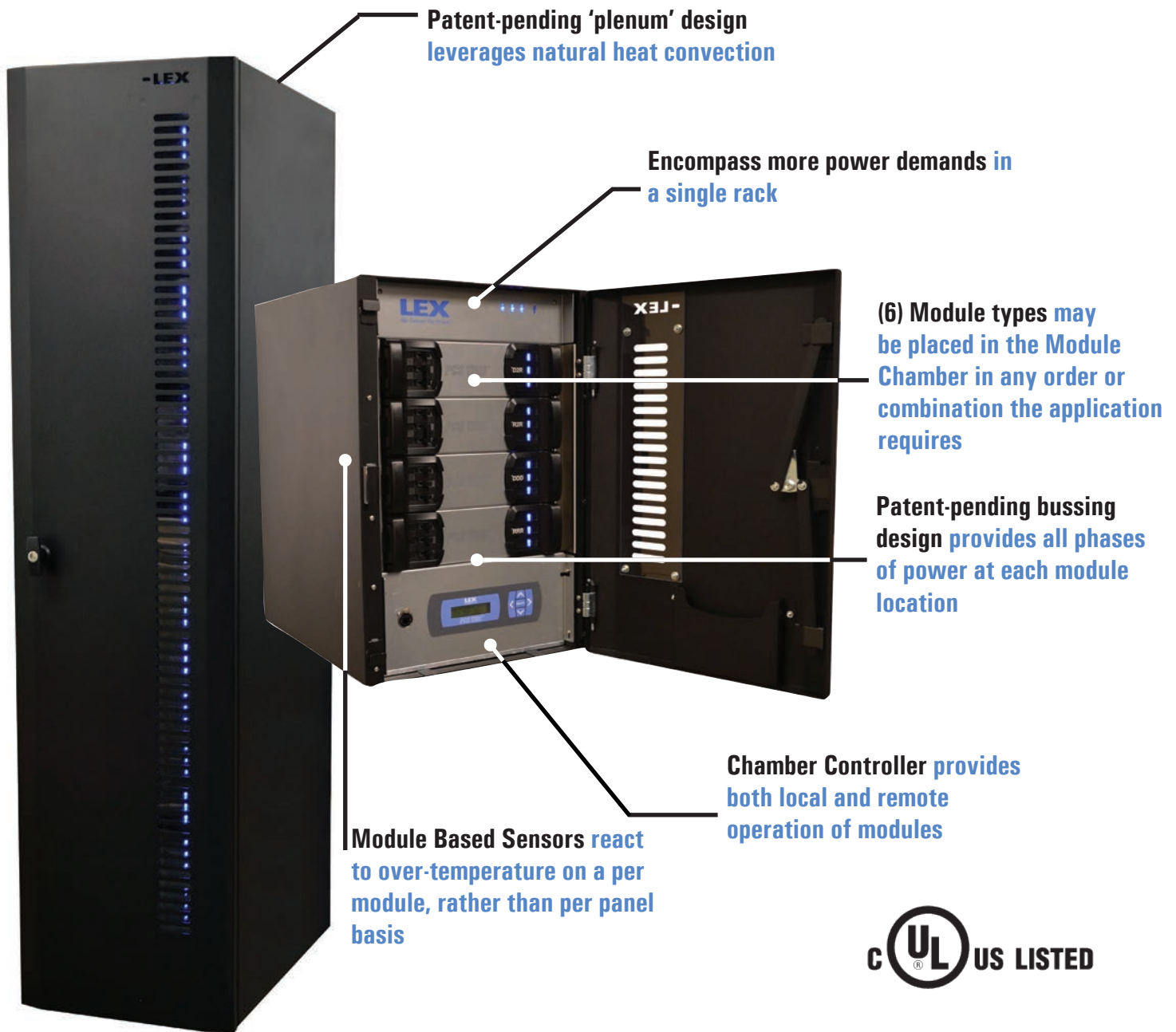
RE-IMAGINED!

With its revolutionary design PCS TRIO™ is the only system to access all phases of power in as single panel. The ability to consolidate single and double pole relays as well as dimmers into one panel has never been accomplished until now!

Simplify your electrical installations with less cabling and conduit with a single panel solution.



PCS TRIO™



Whether your application requires power management of LEDs, moving and incandescent lights, projection screens, powered speakers or other appropriate equipment, the revolutionary, patent-pending design of PCS TRIO™ enables power control over the widest equipment range within a single panel.

PANEL



A. Module Chamber

- Available in; four, eight or sixteen modules.
- Capable of being mounted as a separate component to facilitate landing of conduit and pulling of cabling.
- Module Chambers ship ready for installation.
- Line wiring lugs located in the module chamber for hot, neutral and ground.
- The rack carries a minimum fault current protection rating of 100,000 AIC.
- Load wiring terminals located in the module chamber for line connections are clearly marked with the slot designation.
- System functions without noticeable affect within an ambient temperature range of 32° F to 104° F (0° C to 40° C).

B. Chamber Controller

- Supports the following control protocols: DMX-512A, RDM, E1.31 sACN and Art-Net.
- Simple navigation five-button keypad on front of the face panel with backlit two line, 20 character LCD display.
- Store up to eight user programmable presets.
- A recorded preset serves as an 'emergency' look (UL924) and is activated from a remote source.
- Local control allows keypad entry for setting individual circuits to specific levels for 'RIG CHECK'.
- An 'ALL ON' function activates modules without the need for initial rack setup.
- Ethernet connection (Neutrik® etherCON®) accessible on the front face of the faceplate for access to Ethernet-based communication networks.

- All Modules ship fully factory wired and ready for installation while featuring dual molded grips for ease of insertion and removal.
- LED indicators display individual circuit status.
- Modules utilize guides for accurate alignment of power and communication connections.
- Self-aligning power and communication connections ensure integrity of contact.

Relay and Dimmer Modules

The following modules include over-temperature sensing and relays are mechanically latching, open-air type rated for 500,000 cycles. All relay circuits possess zero-cross detection for relay trigger timing extending component life and maintain last state (open or closed) until signaled or manually manipulated.

Single Pole Relay/Double Pole PCS-A-MD-R2R



- One Single Pole Relay rated for 120V 20A and one Double Pole Relay circuit rated for 240V 20A

Triple Single Pole PCS-A-MD-RRR



- Three Single Pole Relay Circuits each rated for 120V 20A

Single Dimmer/Double Pole PCS-A-MD-R2R



- One SCR Dimmer Circuit rated for 120V 20A and one Double Pole Relay Circuit rated for 240V 20A
- SCR Dimmer circuit possesses a toroidal filter assembly modifying the rate of current rise and operates with a rise time of 350 μ s

Single Dimmer/Dual Single Pole PCS-A-MD-DRR



- One SCR Dimmer Circuit and two Single Pole Relay Circuits each rated for 120V 20A
- SCR Dimmer circuits possess a toroidal filter assembly modifying the rate of current rise and operates with a rise time of 350 μ s

Triple Dimmer PCS-A-MD-DDD



- Three SCR Dimmer Circuits each rated for 120V 20A per circuit
- Each circuit's power is modulated by coupling a solid-state switching relay (SSR) for forward phasing sine-wave modification
- SCR Dimmer circuits possess a toroidal filter assembly modifying the rate of current ("rise time") within that circuit and operate with a rise time of 350 μ s

Plenum Module PCS-A-MD-PPP



- Plenum Modules occupy unpopulated Module Chamber slots and are critical to the safety, signal and air flow integrity of the system

FROM PANEL TO PLUG...

1

Power Control Solutions PCS TRIO™

The keystone component to Lex Products offering of "Panel-to-Plug" power distribution and control solutions.

2

PowerGATE™ Emergency Lighting Transfer Switch

A UL 1008 compliant device that safely provides switching between normal and emergency power of house light circuits.

3

PowerGATE™ Company Switch

A line of patented power switches that provide a space-saving, safe and convenient means of supplying temporary power access.

4

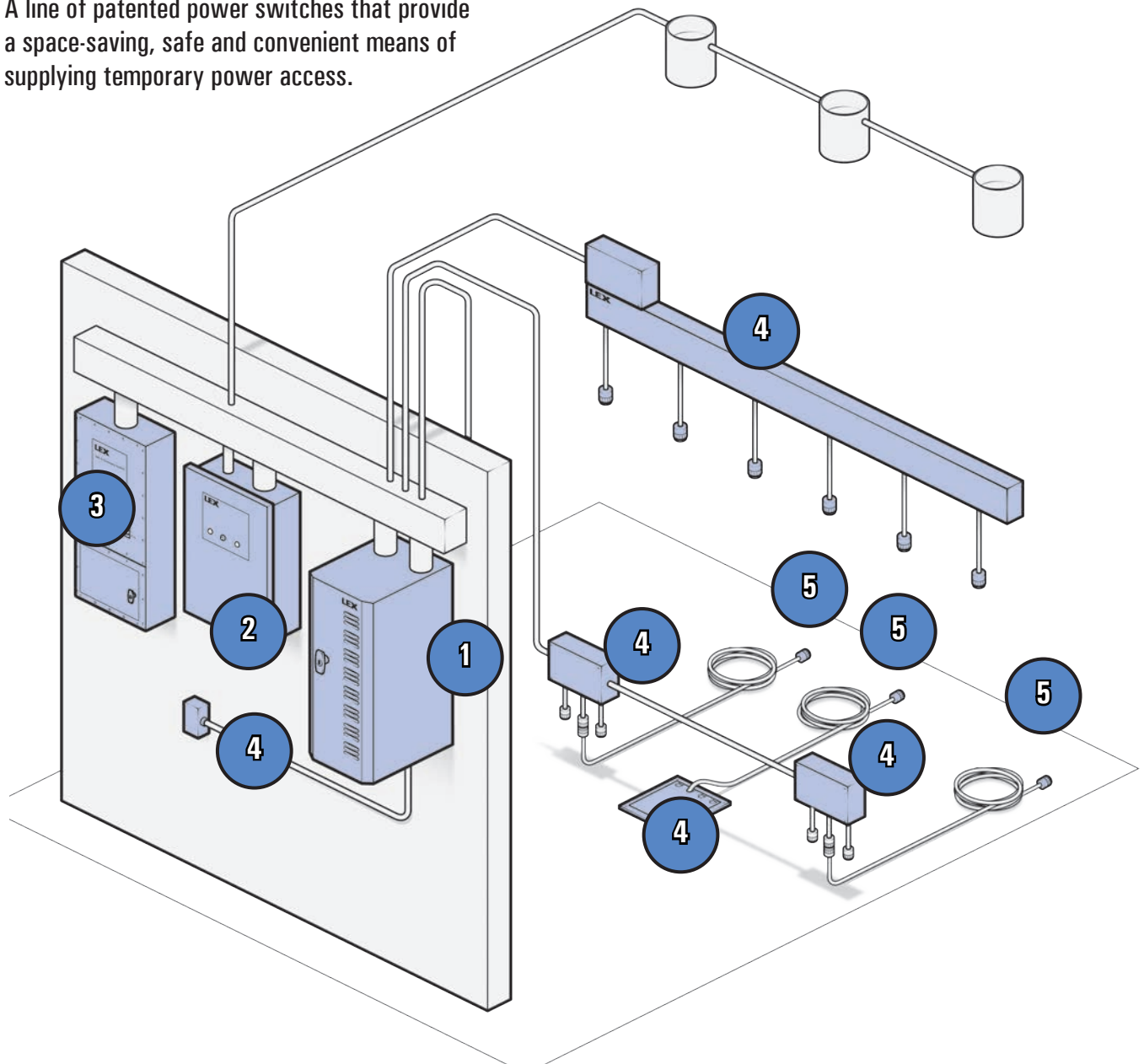
PowerPLUS™ Connector Strip, Outlet Boxes and Floor Pocket

A complete line of permanently installed devices that allow power and data access above, in and around performance spaces.

5

PowerFLEX™ Cable Assemblies

Featuring the world's finest connectors, including our EverGrip® overmold technology, attached to highly durable and flexible cables using the highest expertise and quality.



WHERE TO USE PCS TRIO™

Anywhere light, sound and video need to be powered...

- Theatres
- Studios
- Convention Centers
- Houses of Worship
- Schools & Universities
- Gymnasiums
- Auditoriums



PCS TRIO™ ACCESSORIES



Product Name	Digital to 0-10V DC Demultiplexer	Weight Transfer Stand	Decibel Dampener
Part Number	PCS-I-DEMULT-ETHER PCS-I-DEMULT-RJ485	PCS-I-STND-FLR	PCS-I-A-DBD
Specifications	<ul style="list-style-type: none"> • Converts digital signals into 16 channels of analog control voltage. • Works in concert with PCS TRIO™ relays for the control of fully isolated LED fixtures requiring mains switching and 0-10V DC dimming 	<ul style="list-style-type: none"> • The weight transfer stand sits beneath the 8-Module Chamber or 16-Module Chamber to transfer the system weight to the floor. 	<ul style="list-style-type: none"> • A cowling used to diminish the operating sound generated by the PCS TRIO™ Module Chamber.
Dimensions	4.50"D x 10"W x 23"H (ETHER version) 4.50"D x 10"W x 13"H (RJ485 version)	19.50"D x 14.50"W x 12.19" H	12"D x 14.50"W x 12.00"H
Weight	10 lbs. (ETHER Version) 7.50 lbs. (RJ485 Version)	10 lbs.	11.45 lbs.

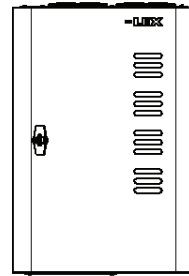
START SPECIFYING PCS TRIO™ IN YOUR PROJECTS TODAY!

PCS TRIO™

Power Control for Permanent Installation

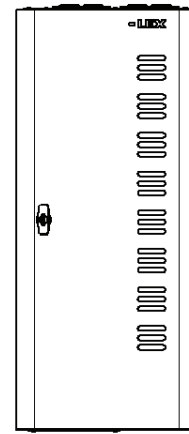


Four Module



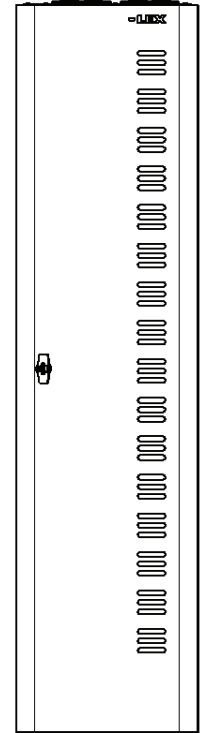
PCS-I-A-MC-04

Eight Module



PCS-I-A-MC-08

Sixteen Module



PCS-I-A-MC-16

Maximum Input

208Y/120 VAC
3 Phase, 60Hz
(H,H,H,N,G,)

240 VAC
Single Phase, 60Hz
(H,H,N,G,)

TRIO-I-4	80 Amps	120 Amps
TRIO-I-8	160 Amps	240 Amps
TRIO-I-16	310 Amps	310 Amps

Parameters

Module Chamber	Height		Width		Depth		Weight	
PCS-I-A-MC-04 Installation A-Series Module Chamber (4) Module	21.50"	54.61 cm	14.50"	36.83 cm	19.85"	50.35 cm	92.00 lbs.	41.73 kg
	35.50" w/ Stand*	90.17 cm						
PCS-I-A-MC-08 Installation A-Series Module Chamber (8) Module	34.00"	86.36 cm			21.85"	55.50 cm	110.00 lbs.	49.89 kg
	48.00" w/ Stand*	121.92 cm						
PCS-I-A-MC-16 Installation A-Series Module Chamber (16) Module	58.50"	148.59 cm	72.50" w/ Stand*	184.15 cm	145.00 lbs.	65.77 kg		
	72.50" w/ Stand*	184.15 cm						

* Custom stand heights available

Chamber Controller	Height		Width		Depth		Weight	
PCS-I-CC Chamber Controller Module	5.35"	13.59 cm	12.15"	30.86 cm	1.80"	4.57 cm	3.00 lbs.	1.36 kg

Modules	Height		Width		Depth		Weight	
Each Models of Six	3.05"	7.75 cm	11.60"	29.46 cm	11.55"	29.34 cm	4.66-11.63 lbs.	2.10-5.27 kg

DESIGNED, ENGINEERED, AND ASSEMBLED IN THE U.S. FROM AMERICAN AND FOREIGN MADE PARTS.



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