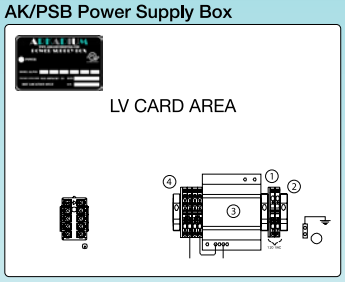
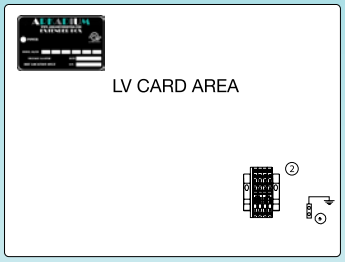
THE CONTROL BOX

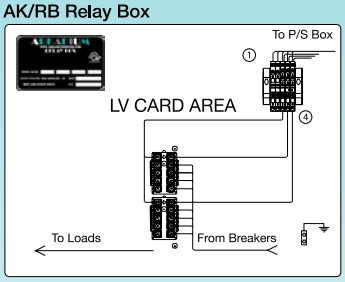
AK/PSB Power Supply Box



AK/EB Extender Box



AK/RB Relay Box



The Control Box

The Control Box is a revised configuration of Arkadium's "The Switch"

The Control Box has three main assemblies:

AK/PSB - Power Supply Box

AK/EB - Extender Box

AK/RB - Relay Box

The purpose of The Control Box is to interface controllers and lighting consoles to various theatrical and architectural lighting systems.

AK/PSB Power Supply Box

- Houses the 24 or 48VDC power supply
- Can contain (1) 4 pole or single pole relay or contactor's
- Can contain up to (4) low voltage cards

AK/EB- Extender Box

- Houses low voltage cards that are required in addition to those housed in the PSB.

AK/RB- Relay Box

- Houses up to (8) 25 amp single pole relays or contactor's.

Use the Control Box Pick List (below) to select the components required. Factory will determine layout and part number. Data sheets available on request. • August 2024

ARKADIUM

Arkadium is a manufacturer of custom products for the educational, entertainment and architectural industries. From schools to the largest opera house or theatre to themed architectural spaces, Arkadium solutions enjoy 50 years of success in North America. In addition to our standard products, Arkadium offers custom distribution products and control racks to suit any project. Arkadium is pleased to offer product application and technical support to the design and specification community

449 Laird Road, Unit #3, Guelph, Ontario N1G 4W1
tel: 519-837-8367 • fax: 519-837-2487
www.arkadiumdistro.com • e-mail: ronf@arkadiumdistro.com

449 Laird Road , Unit # 1, Guelph, Ontario N1G 4W1 Telephone: (519) 837-0583 Fax: (519) 837-2487

Control Box Pick List

Job Name _____

Job # _____

Date _____

Part # _____

Family	Part Number	Item	Description	Qty
Vari-Lite				
1	63035USB	1	VN SR232 USB Single Gang	
1	53904-501	2	VN RS232 Interface DIN Rail Mount	
1	53904-401	3	VN -DMX Interface DIN Rail Mount	
1	53904-004	4	VN 4 port Data Splitter DIN Rail Mount	
1	65710	5	VN Gateway DIN Rail Mount	
1	65720	6	VN Gateway Interface 4 port DMX	
1	65730	7	VN Gateway Interface DIN Rail Mount	
1	53904-304	8	VN 4 port I/O DIN Rail Mount	
1	53904-108	9	VN 8 port I/O DIN Rail Mount	
Pathway				
2	PWINF DIN A2D	1	DIN 24 ch Analog to DMX	
2	PWINF DIN D2A	2	DIN DMX to 16 Channel Demultiplexer	
2	PWINF DIN CC	3	DIN 12 ch Contact Closure	
2	PWINF DIN NFP	4	DIN Network Fade Processor	
2	PWINF DIN PWM4A	5	DIN 6 ch PWM DC Dimmer 4 amp	
2	PWINF DIN PWM6A	6	DIN 6 ch PWM DC Dimmer 6 amp	
2	PWREP DIN P3 RDMHUB	7	DIN 3 port RDM Repeater	
2	PWREP DIN P4 NON RDM	8	DIN 4 port Repeater (non RDM)	
2	PWREP DIN P4 RDM	9	DIN 4 port RDM Repeater	
2	PWREP DIN P8 RDMHUB	10	DIN 8 port RDM Repeater	
2	PWVIA DIN P8 RJ45 SFPSLOT POE	11	DIN 8 port POE switch (supplies POE)	
2	PWVIA DIN P16 RJ45 SFPSLOT POE	12	DIN 16 port POE switch	
2	PWPP DIN P1 (discontinued)	13	DIN-mount 1 Port	
2	PWPP DIN P2	14	DIN mount 2 Port	
2	PWPP DIN P4	15	DIN-mount 4 Port	
2	PWGW DIN CLK	16	DIN-mount Vignette Clock	
2	PWGW DIN V	17	DIN-mount Vignette	
2	PWGW DIN VD2	18	DIN-mount Vignette with 2 DMX	
2	PWGW DIN VD2C8	19	DIN-mount Vignette 2 DMX 8 Contact Closures	
2	PWGW DIN VC16	20	DIN-mount Vignette w 16 Contact Closures	
2	PWGW DIN VE	21	DIN-mount Vignette w with secondary ethernet	
2	PWGW DIN VE2C8	22	DIN-mount Vignette w secondary ethernet & 8 contact closures	
2	PWGW DIN N	23	DIN-mount NSB	
2	PWGW DIN NC8	24	DIN-mount NSB w 8 Contact Closures	
2	PWGW DIN NC16	25	DIN-mount NSB w 16 Contact Closures	

Control Box Pick List

Job Name _____

Job # _____

Date _____

Part # _____

Family	Part Number		Item	Description	Qty
Pharos					
3	XPC 1		1	Expert Control 512 channels	
3	XPC 2		2	Expert Control 1024 channels	
3	XPR		3	Expert Repeat (opto splitter)	
3	XPS		4	Expert Switch (supplies POE)	
3					
3					
Relay					
4	LC1DT25BD		1	4 pole contactor	
4	G7L-1A-TUBJ	(GL7-BUBJ)	2	Single Pole Relay	
4	G7J-4A-T	(G7L-4AB)	3	Four Pole Relay	
POE+					
5	TI-PG50 (varies)		1	POE+ switch	
DMX Card					
6	DMX Relay Card (varies)		1	DMX Relay Card	
Stations					
Vari-Lite	63322			VN 2 Button Station	
Vari-Lite	63324			VN 4 Button Station	
Vari-Lite	63328			VN 8 Button Station	
Vari-Lite	63303			VN 3 channel slider	
Vari-Lite	63306			VN 6 channel slider	
Vari-Lite	63309			VN 6 channel slider	
Vari-Lite	63312			VN 12 channel slider	
Vari-Lite	95610			VN 10" Touch Screen	
Pharos	TPS5			Desinger 5" Touch Screen	
	TPS8			Desinger 8" Touch Screen	
	XPT5			Expert 5" Touch Screen	
	XPR8			Expert 8" Touch Screen	
Web Links	Arkadium			www.arkadiumdistro.com	
	Scenework			www.scenework.com	
	Vari-Lite			www.vari-lite.com	
	Pharos			www.pharoscontrols.com	
	Pathway			https://pathway.acuitybrands.com	
	Omron GL7			https://automation.omron.com/	
	Omron G7J			https://assets.omron.com/	
	Schnider LC1DT25BD			www.se.com/	

List is subject to change based on supply chain availability and or alteration by manufacture subsitute components allowed providing they meet the minimum requirements and approvals.