

## Maximal Series

### Dual Power Supply Access Power Controllers (fused)

Altronix Maximal Series Access Power Controllers distribute and switch power to access control systems and accessories. They convert a 115VAC, 60Hz input into sixteen (16) independently controlled 12VDC or 24VDC fuse protected outputs. These Fail-Safe/Fail-Secure power outputs may be converted to dry form “C” contacts. The outputs are activated by an open collector sink or normally open (NO) dry trigger input from an Access Control System, Keypad, Push Button, REX PIR, etc. Units will route power to a variety of access control hardware devices including: Mag Locks, Electric Strikes, Magnetic Door Holders, etc. The FACP Interface enables Emergency Egress, Alarm Monitoring, or may be used to trigger other auxiliary devices. The fire alarm disconnect feature is individually selectable for any or all of the sixteen (16) outputs.



Maximal75

### Key Features

- Sixteen (16) independently controlled outputs
  - Output options:
    - a) Sixteen (16) Fail-Safe and/or Fail-Secure power outputs
    - b) Sixteen (16) form “C” 5A rated relay outputs
    - c) Any combination of the above
- Sixteen (16) auxiliary power outputs (unswitched)
- Output fuses are rated @ 3.5A
- Filtered and electronically regulated outputs
- Supervision:
  - AC Fail
  - Battery Fail and Battery Presence
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the sixteen (16) outputs
- Alarm output relay indicates that FACP input is triggered
- Fire Alarm disconnect input options:
  - a) Normally open (NO) or normally closed (NC) dry contact input
  - b) Polarity reversal input from FACP signaling circuit
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- UL Listed in the U.S. and Canada
- Lifetime Warranty

### Lifetime Warranty

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Maximal Dual Power Supply Series Configuration Reference Chart

Altronix Model Number	115VAC 60Hz Input Current	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Output Voltage Options		Total Output Current (16 outputs)	Class 2 Rated Power-Limited Outputs	Fuse Protected Outputs	Current per ACM8 output	
				Power Supply 1	Power Supply 2					
Maximal11	7A	5A/250V	15A/32V	AL400ULXB2	AL400ULXB2		✓	16	2.5A	
				12VDC @ 3.5A	12VDC @ 3.5A	7A				
				12VDC @ 2.7A	24VDC @ 2.7A	5.4A				
				24VDC @ 3.5A	24VDC @ 2.7A	6.2A				
Maximal33	7A		-	-	AL600ULXB	AL600ULXB				-
					12VDC @ 5.5A	12VDC @ 5.5A	11A			
					12VDC @ 5.7A	24VDC @ 5.7A	11.4A			
					24VDC @ 5.5A	24VDC @ 5.7A	11.2A			
Maximal55	5.2A		15A/32V	-	AL1012ULXB	AL1012ULXB	19			-
Maximal75	7A				AL1012ULXB	AL1024ULXB2	19.2			
					12VDC @ 9.5A	24VDC @ 9.5A				
Maximal77	8.8A				AL1024ULXB2	AL1024ULXB2	19.4			
		24VDC @ 9.7A			24VDC @ 9.7A					

**Lifetime Warranty**

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## Specifications

### Input

Voltage 115VAC, 60Hz  
Input Fuse 5A/250V

### Outputs

Voltage 12VDC or 24VDC, see Reference Chart  
Current Varies, See Reference Chart  
Output Fuses 3.5A/250V  
Auxiliary 3.5A (unswitched)  
Other Overvoltage protection  
Filtered and regulated outputs

### Battery Charging

Capacity 12AH/12VDC (4 within enclosure)  
40AH/65AH (requires separate enclosure)  
Type Sealed lead acid or gel type  
Fuse Rating Varies, see Reference Chart  
Failover Upon AC loss, instantaneous  
Batteries are sold separately

### Fire Alarm Disconnect

Latching or non-latching, individually selectable for any or all of the sixteen (16) outputs

### Supervision

AC Failure Form "C" contacts  
Battery Form "C" contacts

### Indicators (LED)

Input 115VAC is present  
DC Output Powered  
Battery Discharged or not connected  
Relays Individual LEDs indicate outputs are triggered (relays energized)  
FACP Indicates FACP disconnect is triggered

## Agency Listings

UL:  
**UL294** Access Control System Units  
cUL:  
**C22.2 No.205-M1983** General Signaling Equipment  
CSFM California State Fire Marshall Approved

## Physical and Environmental

### Dimensions (H x W x D)

Enclosure:  
26" x 19" x 6.25" (660.4mm x 482.6mm x 158.8mm)  
Shipping:  
31" x 23" x 8.25" (787.4mm x 584.2mm x 209.6mm)  
Enclosure accommodates up to four (4) 12VDC/12AH batteries

### Weight (approx.)

Model	Product Weight	Shipping Weight
Maximal11	32.4 lb. (14.7 kg)	39.4 lb. (17.9 kg)
Maximal33	31.6 lb. (14.3 kg)	38.6 lb. (17.5 kg)
Maximal55	32.6 lb. (14.8 kg)	39.6 lb. (18.0 kg)
Maximal75	33.0 lb. (15.0 kg)	40.0 lb. (18.1 kg)
Maximal77	33.4 lb. (15.2 kg)	40.4 lb. (18.3 kg)

### Temperature

Operating: 0°C to 49°C (32°F to 120°F)  
Storage: - 20°C to 70°C (- 4°F to 158°F)

Relative Humidity 85% +/- 5%

### BTU/Hr (approx.)

Model	12VDC	24VDC	12VDC and 24VDC
Maximal11	43	66	55
Maximal33	68	140	104
Maximal55	117	N/A	N/A
Maximal75	N/A	N/A	177
Maximal77	N/A	238	N/A

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