

Maximal D Series

Dual Power Supply Access Power Controllers (PTC)

Altronix Maximal D 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 Class 2 Rated PTC protected power-limited auto-resettable outputs. 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.



Maximal75D

Key Features

- Sixteen (16) independently controlled Fail-Safe and/or Fail-Secure Class 2 Rated PTC protected power-limited outputs
- Sixteen (16) auxiliary power outputs (unswitched)
- Output PTCs are rated @ 2.5A
- 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

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

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 PTC Protected Power-Limited Outputs (auto-resettable)	Current per ACM8CB output		
				Power Supply 1	Power Supply 2					
Maximal11D	7A	5A/250V	15A/32V	AL400ULXB2	AL400ULXB2		16	2.0A		
				12VDC @ 3.5A	12VDC @ 3.5A	7A				
				12VDC @ 2.7A	24VDC @ 2.7A	5.4A				
				24VDC @ 3.5A	24VDC @ 2.7A	6.2A				
Maximal33D	7A		—	AL600ULXB	AL600ULXB				16	2.0A
				12VDC @ 5.5A	12VDC @ 5.5A	11A				
				12VDC @ 5.7A	24VDC @ 5.7A	11.4A				
				24VDC @ 5.5A	24VDC @ 5.7A	11.2A				
Maximal55D	5.2A		15A/32V	AL1012ULXB	AL1012ULXB	19			16	2.0A
Maximal75D	7A			12VDC @ 9.5A	12VDC @ 9.5A	19.2				
				AL1012ULXB	AL1024ULXB2					
Maximal77D	8.8A			12VDC @ 9.5A	24VDC @ 9.5A	19.4				
				AL1024ULXB2	AL1024ULXB2					
				24VDC @ 9.7A	24VDC @ 9.7A					



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Specifications

Input

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

Outputs

Sixteen (16) Class 2 Rated PTC protected power-limited outputs (auto-resettable)
Voltage 12VDC or 24VDC, see Reference Chart
Current Varies, See Reference Chart
Output PTCs 2.5A
Auxiliary 2A (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
Maximal11D	32.4 lb. (14.7 kg)	39.4 lb. (17.9 kg)
Maximal33D	31.6 lb. (14.3 kg)	38.6 lb. (17.5 kg)
Maximal55D	32.6 lb. (14.8 kg)	39.6 lb. (18.0 kg)
Maximal75D	33.0 lb. (15.0 kg)	40.0 lb. (18.1 kg)
Maximal77D	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
Maximal11D	43	66	55
Maximal33D	68	140	104
Maximal55D	117	N/A	N/A
Maximal75D	N/A	N/A	177
Maximal77D	N/A	238	N/A

Lifetime Warranty

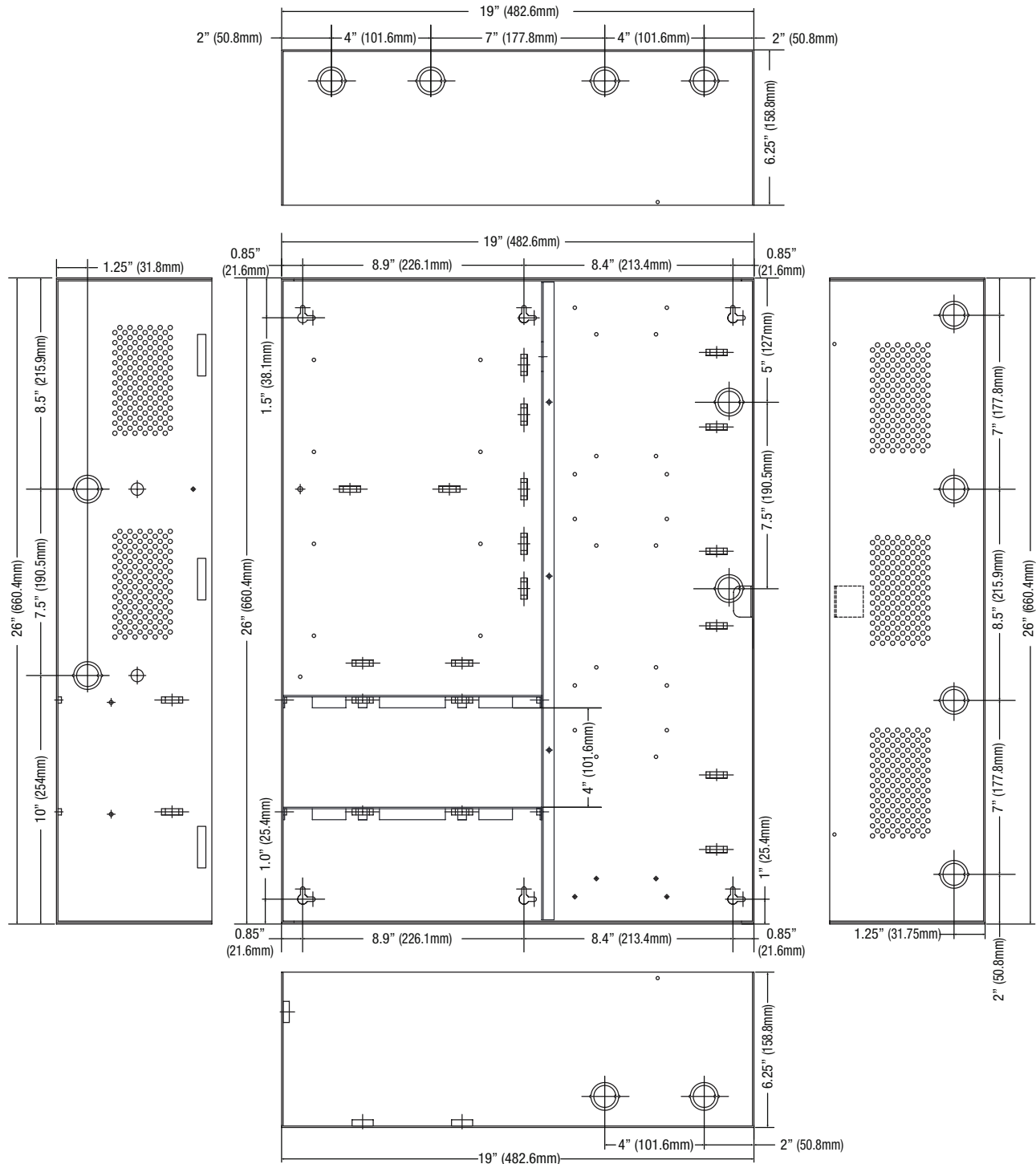
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Dimensions and Drawing

Dimensions (H x W x D approximate)

26" x 19" x 6.25" (660.4mm x 482.6mm x 158.8mm)



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