

Maximal DV Series

Dual Power Supply Access Power Controllers (PTC)

Altronix Maximal DV Series Access Power Controllers distribute and switch power to access control systems and accessories. They convert a 220VAC (working range 198VAC - 256VAC), 50/60Hz input into sixteen (16) independently controlled 12VDC or 24VDC PTC protected power-limited 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.



Key Features

- Sixteen (16) independently controlled Fail-Safe and/or Fail-Secure power 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
- CE European Conformity
- Lifetime Warranty

Lifetime Warranty

Maximal Dual Power Supply Series Configuration Reference Chart

| Altronix Model Number | 220VAC 50/60Hz Input Current | Power Supply Board Input Fuse Rating | Power Supply Board Battery Fuse Rating | Output Voltage Options | | Total Output Current (16 outputs) | PTC Protected Power-Limited Outputs (auto-resettable) | Current per ACM8CB output | |
|-----------------------|------------------------------|--------------------------------------|--|------------------------|--------------------|-----------------------------------|---|---------------------------|-----|
| | | | | Power Supply 1 | Power Supply 2 | | | | |
| Maximal11DV | 3A | 5A/250V | 15A/32V | AL400XB2V | AL400XB2V | | 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 | | | | | | |
| Maximal33DV | 3A | | - | | AL600XB220 | AL600XB220 | | | |
| | | | | | 12VDC @ 5.5A | 12VDC @ 5.5A | | | 11A |
| | | 12VDC @ 5.7A | | | 24VDC @ 5.7A | 11.4A | | | |
| 24VDC @ 5.5A | 24VDC @ 5.7A | 11.2A | | | | | | | |
| Maximal55DV | 2.6A | 15A/32V | | AL1012XB220 | AL1012XB220 | 19 | | | |
| Maximal75DV | 3.8A | | | AL1012XB220 | AL1012XB220 | 19.2 | | | |
| | | | | 12VDC @ 9.5A | 12VDC @ 9.5A | | | | |
| Maximal77VD | 5A | | | AL1012XB220 | AL1024XB2V | 19.2 | | | |
| | | | | 12VDC @ 9.5A | 24VDC @ 9.5A | | | | |
| | | | | AL1024XB2V | AL1024XB2V | 19.4 | | | |
| | | 24VDC @ 9.7A | 24VDC @ 9.7A | | | | | | |

Lifetime Warranty

Specifications

Input

| | |
|------------|--|
| Voltage | 220VAC (working range 198VAC - 256VAC), 50/60Hz |
| Input Fuse | 5A/250V |

Outputs

| | |
|-------------|--|
| Voltage | 12VDC or 24VDC, see Reference Chart |
| Current | Varies, see Reference Chart |
| Output PTCs | 2.5A |
| 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

| | |
|------------|--|
| Supervised | Latching or non-latching, individually selectable for any or all of the sixteen (16) outputs |
| EOL | 10K Resistor |

Supervision

| | |
|------------|-------------------|
| AC Failure | Form "C" contacts |
| Battery | Form "C" contacts |

Indicators (LED)

| | |
|-----------|--|
| Input | 220VAC 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

| | |
|----|---------------------|
| CE | European Conformity |
|----|---------------------|

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 |
|-------------|--------------------|--------------------|
| Maximal11DV | 32.4 lb. (14.7 kg) | 39.4 lb. (17.9 kg) |
| Maximal33DV | 31.6 lb. (14.3 kg) | 38.6 lb. (17.5 kg) |
| Maximal55DV | 32.6 lb. (14.8 kg) | 39.6 lb. (18.0 kg) |
| Maximal75DV | 33.0 lb. (15.0 kg) | 40.0 lb. (18.1 kg) |
| Maximal77DV | 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.)

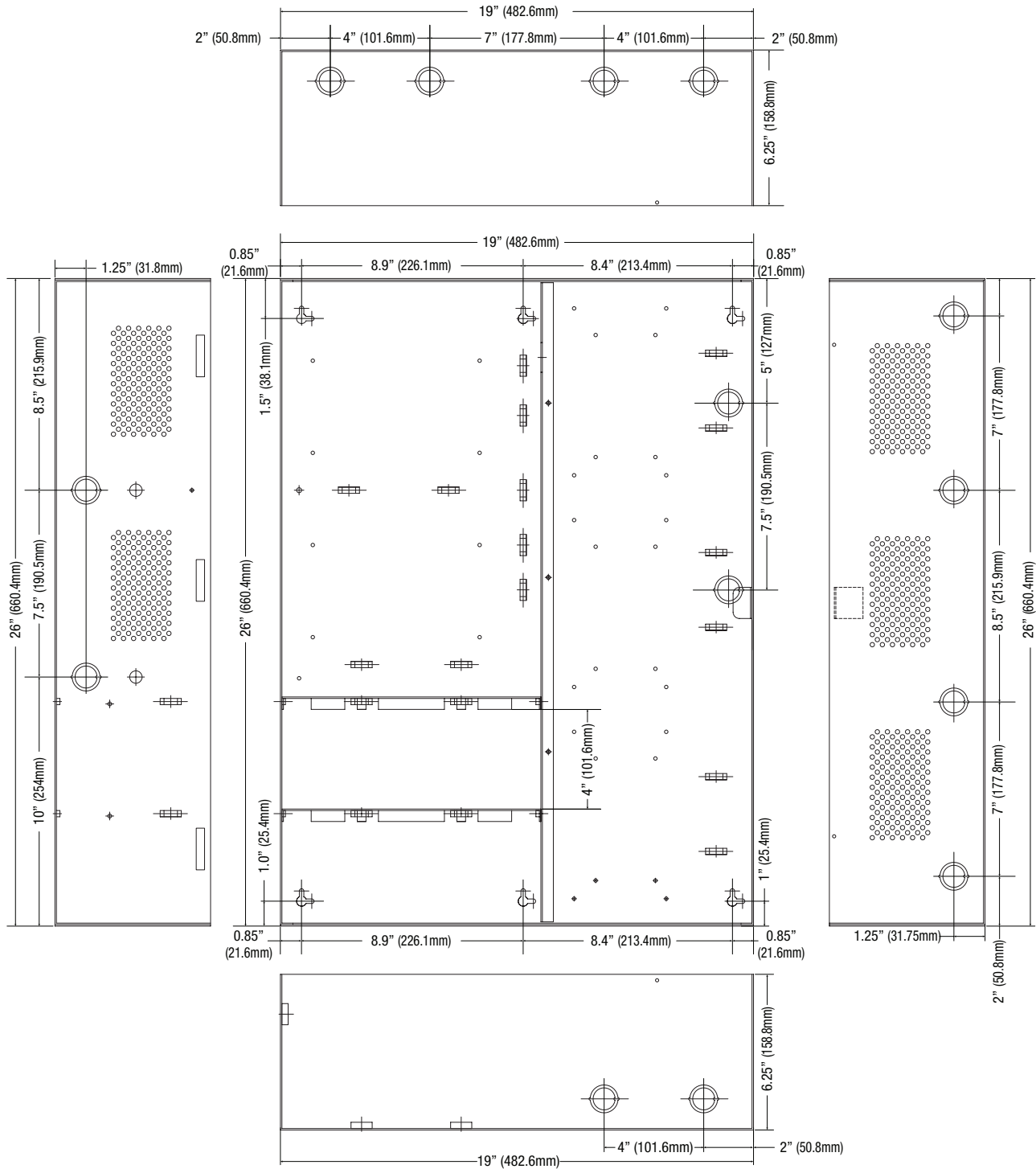
| Model | 12VDC | 24VDC | 12VDC and 24VDC |
|-------------|-------|-------|-----------------|
| Maximal11DV | 43 | 66 | 55 |
| Maximal33DV | 68 | 140 | 104 |
| Maximal55DV | 117 | N/A | N/A |
| Maximal75DV | N/A | N/A | 177 |
| Maximal77DV | N/A | 238 | N/A |

Lifetime Warranty

Dimensions and Drawing

Dimensions (H x W x D approximate)

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



Lifetime Warranty

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