Altronix®

IML SECURITY SUPPLY

Rev. 10182021

M Series

Multi-Output Power Supply/Chargers

AL600ULM

Altronix M series access control power supply/chargers are specifically designed for use with access control systems and accessories. These units convert a 115VAC, 60Hz input into five (5) individually protected 12VDC or 24VDC outputs (see specifications). Each output will route power to a variety of access control hardware devices including Mag Locks, Electric Strikes, Magnetic Door Holders, etc. These outputs will operate in both Fail-Safe and Fail-Secure modes. Controlled trigger input is achieved through normally open [NO] or normally closed [NC] supervised input or the polarity reversal from an FACP (Fire Alarm Control Panel). A form "C" dry output relay enables HVAC Shutdown, Elevator Recall or may be used to trigger auxiliary devices.

Key Features

- Fire Alarm Panel or Access Control System trigger inputs. [NO] or [NC] supervised trigger input and polarity reversal trigger input (4mA draw from FACP)
- Five (5) individual power-limited Class 2 outputs (auto-resettable)
- Filtered and electronically regulated outputs
- Thermal and short circuit protection with auto reset.
- Overload protection
- Output relay energizes when unit is triggered (form "C" contact rated 1A @ 28VDC)
- Supervision:
  - AC Fail
  - Battery Fail and Battery Presence
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- Power and input trigger LEDs
- DC output LED indicator
- LEDs indicate condition of power outputs
- UL Listed in the U.S. and Canada
- CSFM Approved
- Lifetime Warranty
- All units are available in grey or red enclosure

M Series Power Supply Configuration Reference Chart

Altronix Model Number	12VDC Total Output Current (A)	24VDC Total Output Current (A)	Class 2 Rated Power-Limited Outputs (auto-resettable)	115VAC, 60Hz Input Current Draw (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Accommodates Batteries
AL300ULM	2.5	2.5	5	3.5A	5A/250V	15A/32V	Two (2) 7AH
AL300ULMX							Two (2) 12AH
AL400ULM	4	3					Two (2) 7AH
AL400ULMX							Two (2) 12AH
AL600ULM	6	6				–	Two (2) 7AH
AL600ULMX							Two (2) 12AH
AL1012ULM	10	–		2.6A		15A/32V	One (1) 12AH
AL1024ULM	–	10		4.2A			Two (2) 12AH

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M Series

Multi-Output Power Supply/Chargers

Specifications

Input

Voltage	115VAC, 60Hz.
Fusing	Varies, see Reference Chart

Outputs

Voltage	12VDC or 24VDC, see Reference Chart
Current	Varies, see Reference Chart
Protection	PTC 2.5A
Other	Overvoltage protection Filtered and regulated outputs

Back-up Battery *(not included)*

Capacity	7AH / 12VDC (AL300ULM, AL400ULM, AL600ULM) 12AH / 12VDC (AL300ULMX, AL400ULMX, AL600ULMX, AL1012ULM, AL1024ULM)
Type	Sealed lead acid or gel type
Fuse Rating	15A @ 32VDC AL600ULM(X) does not have a battery fuse.
Failover	Upon AC loss, instantaneous

Supervision

AC Failure	Form “C” contacts
Battery	Form “C” contacts

Indicators (LED)

Input	115VAC is present
DC Output	Powered
Battery	Discharged or not connected
Power and Input	Individual LEDs indicate outputs are triggered (relays energized)

Agency Listings

All Models:

UL:

UL294	Access Control System Units

cUL:

CSA C22.2 No.205	Signal Equipment

Agency Listings (cont’d)

All Models in Series, Except AL1012ULM:

UL1481	Fire Protective Signaling Systems
CSFM	California State Fire Marshall Approved.

AL300ULM, AL400ULM, AL600ULM Only:

UL603	Burglar Alarms Systems
UL1069	Hospital Signaling and Nurse Call Equipment

Physical and Environmental

Dimensions (H x W x D)

AL300ULM, AL400ULM, AL600ULM:
13.5” x 13” x 3.25” (342.9mm x 330.2mm x 82.55mm).

AL300ULMX, AL400ULMX, AL600ULMX, AL1012ULM, AL1024ULM
15.5” x 12” x 4.5” (393.7mm x 304.8mm x 114.3mm).

Product Weight / Shipping (approx.)

Model	Product Weight	Shipping Weight
AL300ULM	7.6 lbs. (3.45 kg)	8.6 lbs. (3.9 kg)
AL300ULMX	9.4 lbs. (4.26 kg)	10.4 lbs. (4.72 kg)
AL400ULM	7.6 lbs. (3.45 kg)	8.6 lbs. (3.9 kg)
AL400ULMX	9.4 lbs. (4.26 kg)	10.4 lbs. (4.72 kg)
AL600ULM	7.9 lbs. (3.58 kg)	8.9 lbs. (4.04 kg)
AL600ULMX	9.7 lbs. (4.4 kg)	11.2 lbs. (5.1 kg)
AL1012ULM	8.95 lbs. (4.06 kg)	10.25 lbs. (4.65 kg)
AL1024ULM	10.8 lbs. (4.90 kg)	11.8 lbs. (5.35 kg)

Temperature

Operating	0ºC to 49ºC (32ºF to 120ºF).
Storage	-20ºC to 70ºC (-4ºF to 158º F).
Relative Humidity	85% +/-5%.

BTU/Hr. (approx.):

Model	12VDC	24VDC
AL300ULM(X)	15	31
AL400ULM(X)	25	37
AL600ULM(X)	37	74
AL1012ULM	61	N/A
AL1024ULM	N/A	123

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