AQU244-8C8R
Power Supply

The AQU244-8C8R power supply with battery charger/backup and supervision is a single voltage power supply that uses any AC power source from 90-240VAC/47-63Hz to provide up to 4 Amps @ 24VDC continuous output.

FEATURES:

- Clean, steady, accurate power output for best performance of access control equipment
- Compact modules for smaller footprint
- Universal transformer compatible with most international power
- Works in AC brownout down to 60 VAC
- Faster battery recharging under full load
- Automatic low-battery disconnect prevents deep discharge, maintains battery life
- Self-resetting circuit breakers for common conditions including:
    - Overcurrent
    - Thermal runaway
    - Reverse battery hookup
- Fuse protected against surge for AC input and DC output
- Auto-sensing variable speed smart fan
- Power module has ON/OFF switch to disconnect DC output from power
- Eight (8) channel power distribution with Access Control and fire relays
    - Channels individually configurable to enable/disable with fire trigger
    - Heavy duty relay per output with status LED, or group outputs by jumper
    - Individual input for each output
    - Power-limited, PTC-protected outputs, each with a green status LED indicator
    - Main power LED indicates input power status
    - Trigger LED indicates Fire Relay status
    - Pluggable terminal blocks by channel and function
- SPDT Form C output for remote monitoring of trouble: AC failure, Low battery, or over voltage
- Made in USA
- MagnaCare Lifetime Replacement No Fault Warranty
- UL Listed

SPECIFICATIONS: AQU244-8C8R

Power Module: AQU244

Electrical
Input Voltage Operating Range
90-240VAC
47-63Hz

Maximum Output Voltage
120 VA
5 Amps @ 12VDC

Continuous Output Voltage
96 VA
4 Amps @ 12VDC

Voltage Range
9.8 – 13.67VDC/ 13.65 typical

Operating Frequency
23KHz

Onboard Power Output
One (1) Output with ON/OFF switch

Fuse Protection
Battery: PTC 4 Amp
Current Overload: PTC, self-resetting
Thermal Runaway: PTC, self-resetting

Supervision/Monitoring
AC ON LED indicator: 6mA
DC ON LED indicator: 6mA
Trouble notification: SPDT Form C 200mA 120VAC

Access Control: -8C8R

Electrical
Max board power use: 208mA

Maximum Output Per Channel
8 channels @ 1.04A/channel 24V

Fuses
Output: PTC 1.04A/channel
Holds current at 130°F

Relays
Input Relays: 20ma required for activations
Output Relays: contacts rated 7A 125VAC max

Contacts
EOL: +/-60% of 2.2K ohms

Mechanical

Environment
Operating Temperature: -4 to +104°F
[-20 to +40°C]
Humidity: 95% RH non condensing

Dimensions
Enclosure: 14"x 14" x 4.75"

Power Board: 7.4" x 3.95" x 2.35"
Mounting: 3.5" x 6.8"

Access Control Module: 4.82" x 3.84" x 1.4"
Mounting: 3.41" x 4.50"

Shipping Weight: 12.5 lbs

Regulatory
RoHS lead free

SUPERVISION   BATTERY BACKUP   4 AMPERAGE   24 VOLTAGE   UL LISTED