

## ACCUPOWER® SERIES



# AQU244-8F8R Power Supply

The AQU244-8F8R 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 @ 12VDC 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
  - o 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
  - o Channels individually configurable to enable/disable with fire trigger
  - o Heavy duty relay per output with status LED, or group outputs by jumper
  - o Can provide dry contacts, Normally Open/Normally Closed selected via jumper
  - o Individual input for each output
  - o Power-limited, fuse-protected outputs, each with a green status LED indicator
  - Main power LED indicates input power status
  - Trigger LED indicates Fire Relay status
  - o 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

### SPECIFICATIONS: AQU244-8F8R

**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: 4 Amp

Current Overload: Fuse, self-resetting Thermal Runaway: Fuse, self-resetting

Supervision/Monitoring

AC ON LED indicator: 6mA
DC ON LED indicator: 6mA

Trouble notification: SPDT Form C 200mA

120VAC

Access Control: -8F8R

Electrical

Max board power use: 208mA

**Maximum Output Per Channel** 

8 channels @ .5A/channel

**Fuses** 

Size: 050 Standard 3AGC

Output: .5A

Relays

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

**Triggers** 

EOL: +/-60% of 2.2K ohms

#### Mechanical

**Environment** 

Operating Temperature: -4 to +104°F

 $[-20 \text{ to } +40^{\circ}\text{C}]$ 

Humidity: 95% RH non condensing

**Dimensions** 

Enclosure: 14"x 14" x 4.75"

Power Board: 7.4" x 3.94" x 2.35"

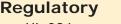
Mounting: 3.5" x 6.8"

Access Control Module: 4.82" x 3.84" x 1.4"

Mounting: 3.41" x 4.50"

Shipping Weight: 12.5lbs

\*Use gauge appropriate for output voltage and wiring distance.



UL 294 RoHS lead free









