

SECURITRON

 **AccuPower**<sup>TM</sup>

SWITCHING POWER SUPPLIES

**SECURITRON**  
ASSA ABLOY

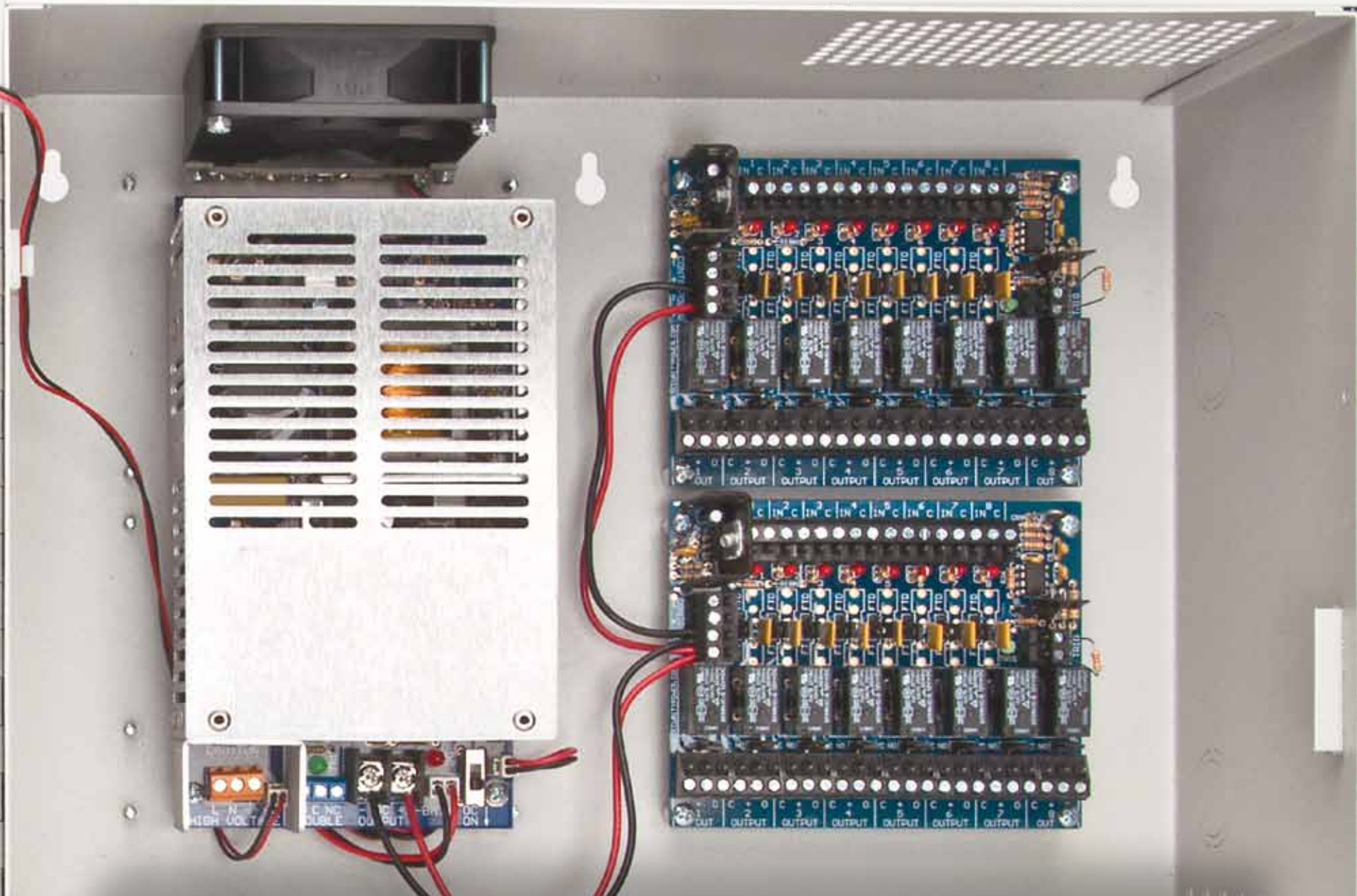
# SECURITRON™ AccuPower

## Securiton AccuPower™ Works Better for Access Control

The Securiton commitment to excellence continues with our AccuPower™ Series of switching power supplies—the latest addition to ASSA ABLOY's complete line of products for access control.

AccuPower™ power supplies provide clean, filtered and accurate low-voltage DC power to protect and enhance the performance of all access control devices. These power supplies are uniquely designed to minimize frequency noise, which can cause misreads with contactless card readers and can disrupt the performance of radio frequency devices.

AccuPower™ Power Supplies are ideal for use with a wide range of access control devices including electrified locks, door closers, electric strikes, magnetic locks, card readers and more. These products support single- and multi-door configurations as well as entire building systems. All AccuPower products are RoHS lead free.



## Table of Contents

### AQD Dual-Voltage Power Supplies 4

AQD3 3/1.5 Amp 12/24VDC 4

AQD5 5/2.5 Amp 12/24VDC 6

### AQM Multi-Voltage Power Supplies 8

AQM20 20/10 Amp 12/24VDC 8

### AQU Single Voltage Power Supplies 10

AQU126 6 Amp 12VDC 10

AQU128 8 Amp 12VDC 12

AQU243 3 Amp 24VDC 14

AQU244 4 Amp 24VDC 16

# AQD3 Series

## 3 Amp/1.5 Amp 12VDC/24VDC Dual Voltage

The Securitron AccuPower™ AQD3 Series of switching power supplies are dual voltage, supervised units with a battery charger. These units are field selectable, with a fast battery charge reserve.

They provide a maximum 2.8 Amps at 12VDC or 1.4 Amps at 24VDC, with up to eight (8) independently controlled, power limited outputs.



UL LISTINGS



VOLTAGE



AMPERAGE



BATTERY  
BACKUP



SUPERVISION



AQD3-IR



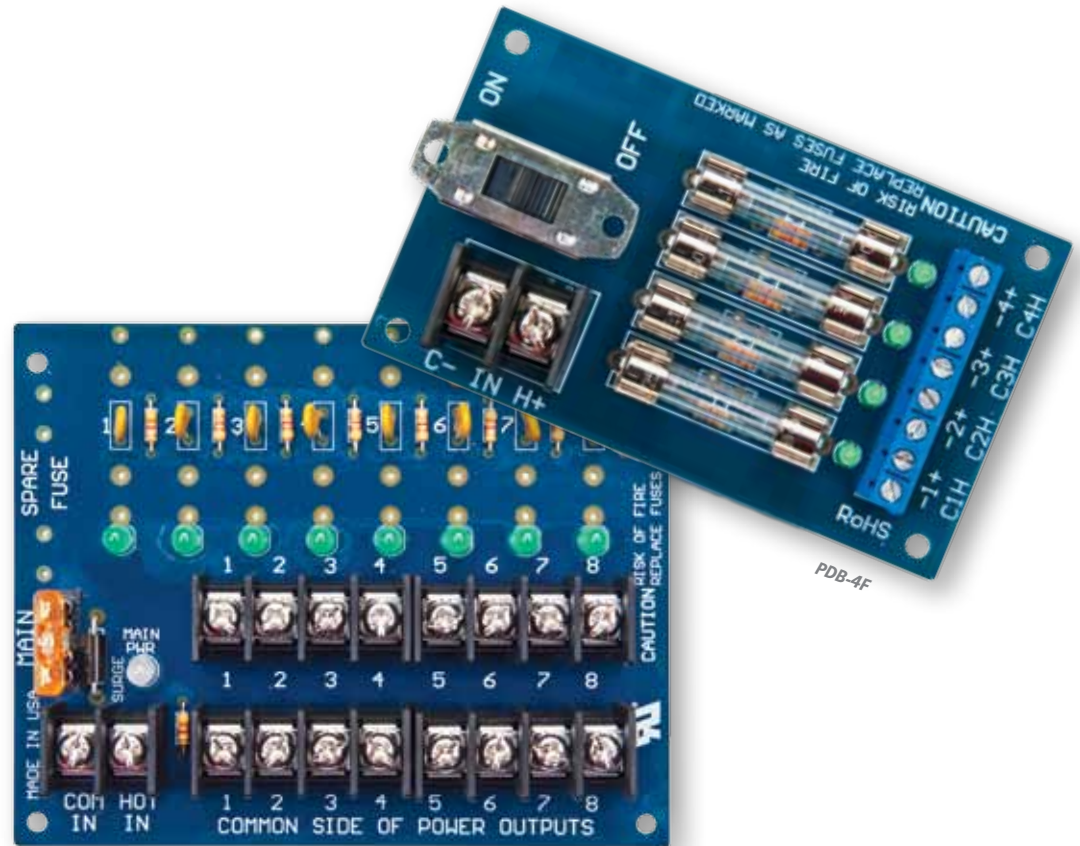
**Having trouble with your card reader? Check your power supply.** Noise from interference can cause misreads and frustration for your customers. AccuPower's extensive filtering **provides clean, low-noise power** that's ideal for powering sensitive electronics.

### Specifications

- Power supply outputs are Class 2 power limited
- Expandable up to eight (8) independently controlled power limited outputs
- Available with configurable access control input/outputs with fire trigger in either PTC or with fuse/dry contact option, fire relay only, or configurable outputs with fire relay input
- Universal input 90-240VAC
- LED indicators and form "C" contacts for supervision
- 14" x 9" x 3.5" enclosure
- Supports up to two (2) sealed gel, AGM or wet lead acid batteries

### Standard Features

- Up to 3 Amp/12VDC or 1.5 Amp/24VDC total output. Rated up to 2.8 Amp/1.4 Amp continuous output
- Dual voltage 12VDC/24VDC field selectable
- Internal transformer
- Tolerates brownout or overvoltage input from 60-260VAC
- Thermal shutdown protection with auto restart
- Circuit breaker protects against overcurrent and reverse battery faults
- Battery charger and power supervision
- Low battery disconnect prevents deep discharge
- Dedicated voltage enables faster battery charging even under full load



PDB-8C

Product Number	Amps	Outputs	Class 2 Power Limited	Fuse Rating	Fuse Type	# of Relays	Relay Type	UL294	UL603	ULCS318-96
AQD3	3/1.5	1	Y	N/A	N/A	-	-	Listed	Listed	Listed
AQD3-4C	3/1.5	4	Y	0.35A	PTC	-	-	Listed	Listed	Listed
AQD3-8C	3/1.5	8	Y	0.35A	PTC	-	-	Listed	Listed	Listed
AQD3-4F	3/1.5	4	Y	1A	Fuse	-	-	Listed	Listed	Listed
AQD3-8F	3/1.5	8	Y	0.5A	Fuse	-	-	Listed	Listed	Listed
AQD3-1R	3/1.5	1	Y	N/A	N/A	1	Fire Relay	Listed	Listed	Listed
AQD3-8C1R	3/1.5	8	Y	1.23A	PTC	1	Fire Relay	Listed	Listed	Listed
AQD3-8F8R	3/1.5	8	Y	0.5A	Fuse	8	Access Control w/Fire	Listed	-	-



# AQD5 Series

## 5 Amp/3 Amp 12VDC/24VDC Dual Voltage

The Securitron AccuPower™ AQD5 Series of switching power supplies are dual voltage supervised units with a battery charger.

These units provide field selectable 5 Amps at 12VDC or 3 Amps at 24VDC, with up to eight (8) independently controlled, power limited outputs.



UL LISTINGS



VOLTAGE



AMPERAGE



BATTERY  
BACKUP



SUPERVISION



AQD5-8C



**Steady output at the proper voltage protects your access control hardware.**

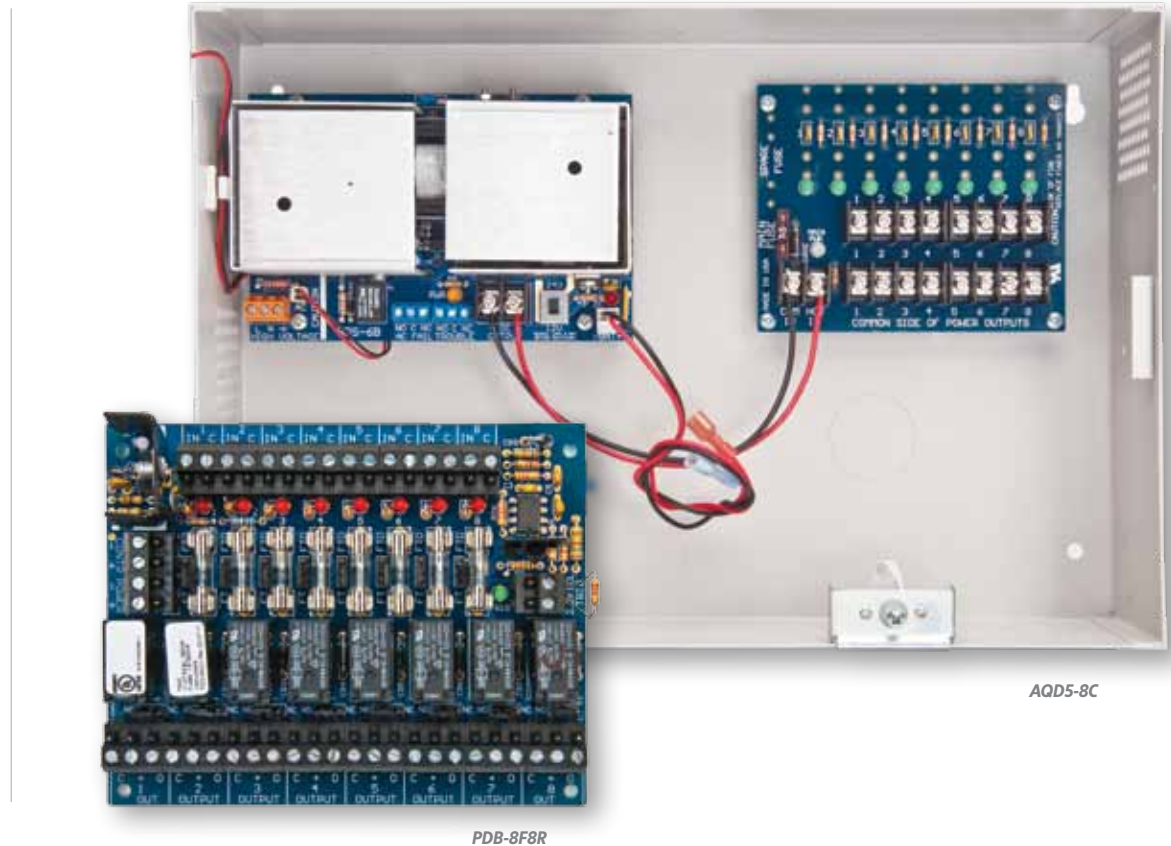
Even with significant input voltage increases (up to 260 VAC input), AccuPower power supplies **deliver the clean, steady output** that access control devices require.

### Specifications

- Power supply outputs are Class 2 power limited
- Expandable up to eight (8) independently controlled power limited outputs
- Available with configurable access control input/outputs with fire trigger and fuse/dry contact option, fire relay only, or configurable outputs with fire relay input
- Universal input 90-240VAC
- LED indicators and form "C" contacts for supervision
- 14" x 9" x 3.5" enclosure
- Supports up to two (2) sealed gel, AGM or wet lead acid batteries

### Standard Features

- Dual voltage 5 Amp/12VDC or 3 Amp/24VDC field selectable continuous output
- Internal transformer
- Tolerates brownout or overvoltage input from 60-260VAC
- Thermal shutdown protection with auto restart
- Circuit breaker protects against overcurrent and reverse battery faults
- Battery charger and power supervision
- Low battery disconnect prevents deep discharge
- Dedicated voltage enables faster battery charging even under full load



Product Number	Amps	Outputs	Class 2 Power Limited	Fuse Rating	Fuse Type	# of Relays	Relay Type	UL294	UL603	ULCS318-96	CAN/ULC S533-M87
AQD5	5/3	1	Y	N/A	N/A	-	-	Listed	Listed	Listed	Listed
AQD5-4F	5/3	4	Y	2A	Fuse	-	-	Listed	Listed	Listed	Listed
AQD5-4C	5/3	4	Y	1.4A	PTC	-	-	Listed	Listed	Listed	Listed
AQD5-8F	5/3	8	Y	2A	Fuse	-	-	Listed	Listed	Listed	Listed
AQD5-8C	5/3	8	Y	0.72A	PTC	-	-	Listed	Listed	Listed	Listed
AQD5-8CIR	5/3	8	Y	1.23A	PTC	1	Fire Relay	Recognized*	Recognized*	Recognized*	-
AQD5-8F8R	5/3	8	Y	0.5A	Fuse	8	Access Control w/ Fire	Recognized*	-	-	-

\*UL recognized components



# AQM20 Series

## Up to 20 Amps, Multi Voltage 12VDC, 24VDC or 12VDC and 24VDC

The Securitron AccuPower™ AQM20 Series of switching power supplies are multi voltage, supervised units with a battery charger, which provide up to 20 total amps of low-voltage DC output.

They are field selectable and contain two (2) power modules with flexibility for delivering 12VDC, 24VDC or 12 and 24VDC at the same time, with up to 16 independently controlled, power limited outputs.



UL LISTINGS



VOLTAGE



AMPERAGE



BATTERY BACKUP



SUPERVISION



AQM20-16C



AccuPower power supplies work with a wide range of access control products.

When you choose AccuPower, you can be confident that all your access control components work properly.

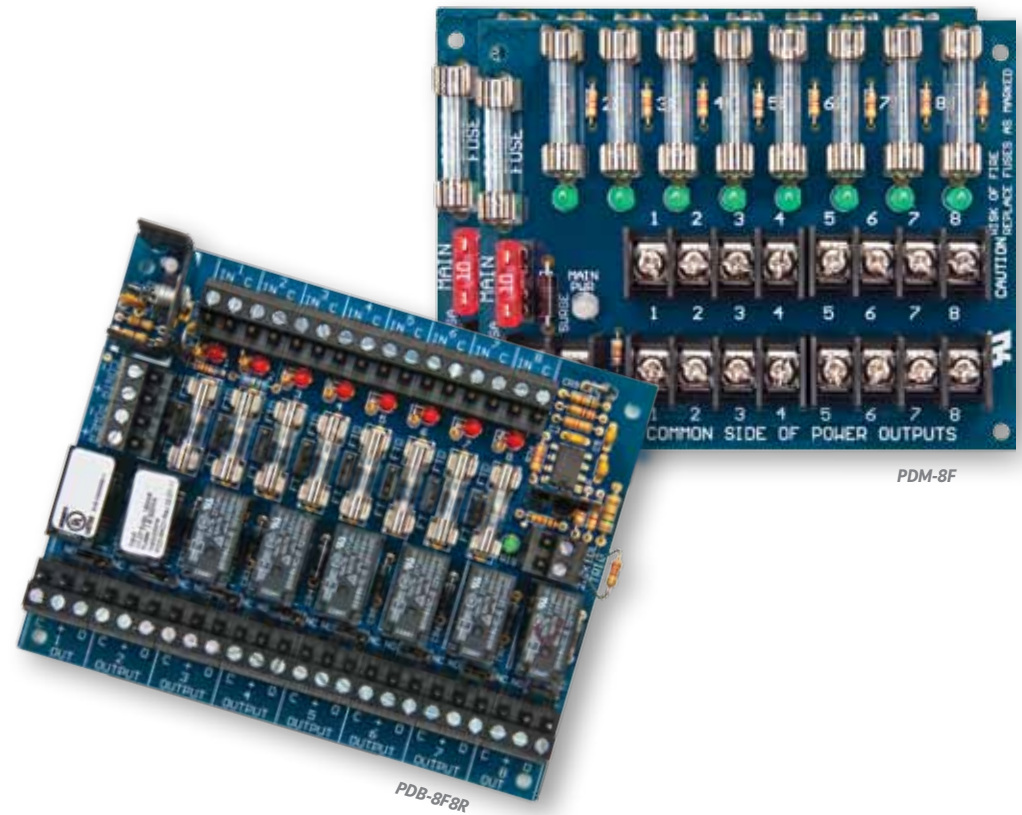
### Specifications

- Available with up to 16 Class 2 power limited outputs
- Available with configurable access control input/outputs with fire trigger in either PTC or with fuse/dry contact option, fire relay only, or configurable outputs with fire relay input
- 120/240VAC field selectable AC input\*\*
- LED indicators and form "C" contacts for supervision
- 14" x 14" x 4.75" enclosure
- Requires two (2) 12V or 24V sealed gel, AGM or wet lead acid batteries

\*\*Unit ships with default input set to 120VAC

## Standard Features

- Offers output in either 12VDC or 24VDC, or both 12VDC and 24VDC, field selectable
- Rated up to 16 Amps continuous output 12VDC, 8 Amp continuous output at 24VDC
- Two internal transformers
- Tolerates brownout and overvoltage input at +30% to -30% of selected line voltage, either 120VAC or 240VAC
- Thermal shutdown protection with auto restart
- Circuit breaker protects against overcurrent and reverse battery faults
- Battery charger and power supervision
- Dedicated voltage enables faster battery charging even under full load



Product Number	Amps	Outputs	Class 2 Power Limited	Fuse Rating	Fuse Type	# of Relays	Relay Type	UL294
AQM20	20/10	2	N	N/A	N/A	-	-	Recognized*
AQM20-8F	20/10	8	N	4A	Fuse	-	-	-
AQM20-8C	20/10	8	N	3.08A	PTC	-	-	Recognized*
AQM20-16F	20/10	16	N	3A	Fuse	-	-	-
AQM20-16C	20/10	16	Y	1.5A	PTC	-	-	Recognized*
AQM20-8F8R	20/10	8	N	0.5A	Fuse	8	Access Control w/Fire	Recognized*
AQM20-8C8R	20/10	8	Y	1.04A	PTC	8	Access Control w/Fire	-

\*UL recognized components

**SECURITRON**  
ASSA ABLOY

# AQU126 Series

## 6 Amp 12VDC Single Voltage

The Securitron AccuPower™ AQU126 Series of switching power supplies are single voltage, supervised units with a battery charger.

These units provide 6 Amps at 12VDC, with up to eight (8) independently controlled, power limited outputs.



UL LISTINGS



VOLTAGE



AMPERAGE



BATTERY  
BACKUP



SUPERVISION



AQU126-8CTR



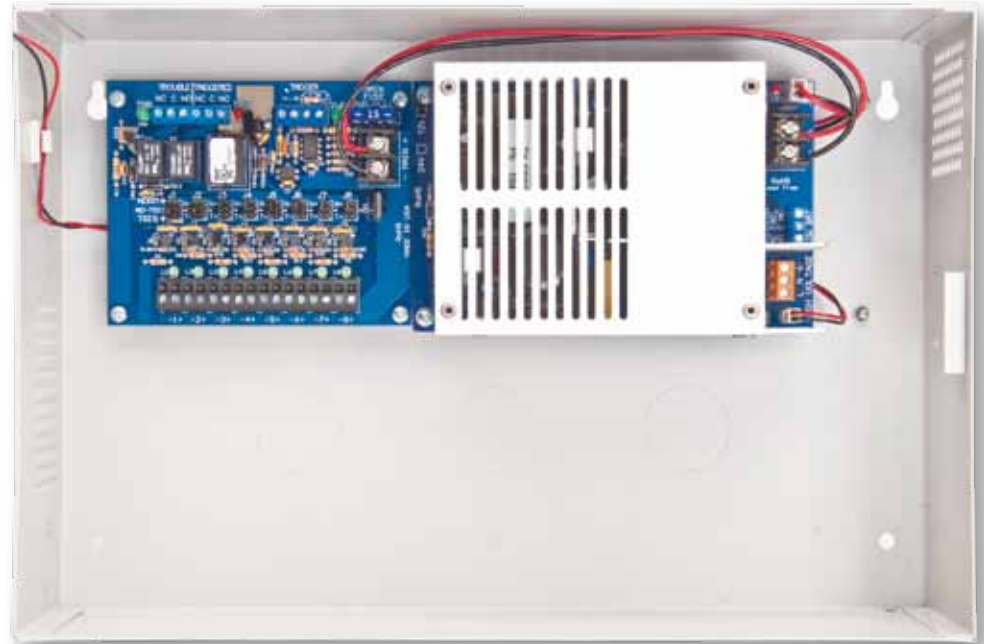
Under voltage can cause electromechanical devices to malfunction. **AccuPower protects the performance of electromechanical devices** by keeping output voltage **steady, reliable and accurate**, even if there's a drop in input voltage (brownout).

### Specifications

- Available with up to eight (8) Class 2 power limited outputs
- Available with configurable access control input/outputs with fire trigger in either PTC or with fuse/dry contact option, fire relay only, or configurable outputs with fire relay input
- Universal input 90-240VAC
- LED indicators and form "C" contacts for supervision
- 14" x 9" x 3.5" enclosure
- Supports up to two (2) sealed gel, AGM or wet lead acid batteries

### Standard Features

- 6 Amp/12VDC continuous output
- Internal transformer
- Tolerates brownout or overvoltage input from 60-260VAC
- Thermal shutdown protection with auto restart
- Circuit breaker protects against overcurrent and reverse battery faults
- Battery charger and power supervision
- Low battery disconnect prevents deep discharge
- Dedicated voltage enables faster battery charging even under full load



AQU126-8C1R

Product Number	Amps	Outputs	Class 2 Power Limited	Fuse Rating	Fuse Type	# of Relays	Relay Type	UL294	UL603	ULCS318-96
AQU126	6	1	N	N/A	N/A	-	-	Listed	Listed	Listed
AQU126-8C	6	8	Y	1.5A	PTC	-	-	Listed	Listed	Listed
AQU126-8C1R	6	8	Y	1.23A	PTC	1	Fire Relay	Recognized*	Recognized*	-
AQU126-8F8R	6	8	Y	0.5A	Fuse	8	Access Control w/Fire	Recognized*	-	-
AQU126-8C8R	6	8	Y	1.04A	PTC	8	Access Control w/Fire	-	-	-

\*UL recognized components



# AQU128 Series

## 8 Amp 12VDC Single Voltage

The Securitron AccuPower™ AQU128 Series of switching power supplies are single voltage, supervised units with a battery charger.

They provide 8 Amps at 12VDC, with up to 16 independently controlled, power limited outputs.



UL LISTINGS



VOLTAGE



AMPERAGE



BATTERY  
BACKUP



SUPERVISION



AQU128-16C16R



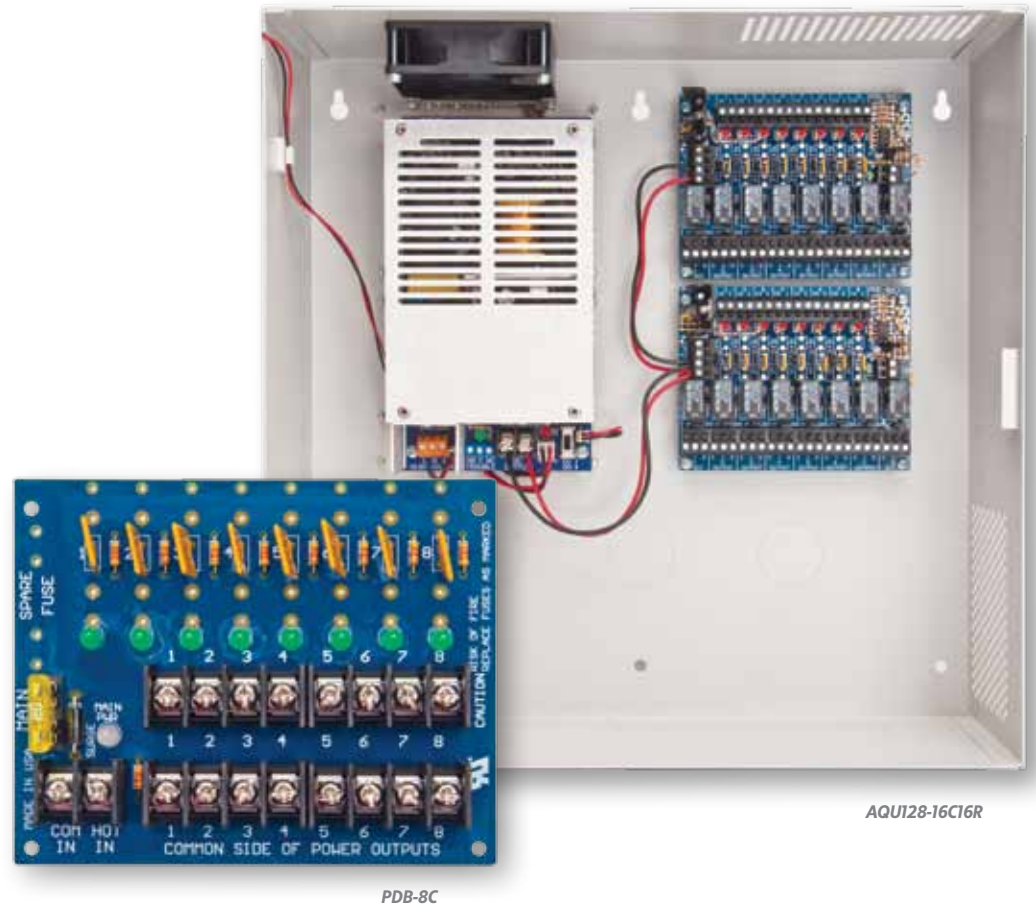
Only AccuPower switching power supplies use **universal 90 VAC to 260 VAC AC input to connect easily anywhere in the world**. No plug-in transformer or alterations required.

### Specifications

- Available with up to 16 Class 2 power limited outputs
- Available with configurable access control input/outputs with fire trigger in either PTC or with fuse/dry contact option, fire relay only, or configurable outputs with fire relay input
- Universal input 90-240VAC
- LED indicators and form "C" contacts for supervision
- 14" x 14" x 4.75" enclosure
- Supports up to two (2) sealed gel, AGM or wet lead acid batteries

### Standard Features

- 8 Amp /12VDC continuous output
- Internal transformer
- Tolerates brownout or overvoltage input from 60-260VAC
- Thermal shutdown protection with auto restart
- Circuit breaker protects against overcurrent and reverse battery faults
- Battery charger and power supervision
- Low battery disconnect prevents deep discharge
- Dedicated voltage enables faster battery charging even under full load



AQUI28-16C16R

PDB-8C

Product Number	Amps	Outputs	Class 2 Power Limited	Fuse Rating	Fuse Type	# of Relays	Relay Type	UL294	UL603	ULCS318-96
AQUI28	8	1	N	-	-	-	-	Listed	Listed	Listed
AQUI28-8C	8	8	Y	1.5A	PTC	-	-	Listed	Listed	Listed
AQUI28-16C	8	16	Y	1.5A	PTC	-	-	Listed	Listed	Listed
AQUI28-8C1R	8	8	Y	1.23A	PTC	1	Fire Relay	Recognized*	Recognized*	-
AQUI28-8F8R	8	8	Y	0.5A	Fuse	8	Access Control w/Fire	Recognized*	-	-
AQUI28-8C8R	8	8	Y	1.04A	PTC	8	Access Control w/Fire	-	-	-
AQUI28-16F16R	8	16	Y	0.5A	Fuse	16	Access Control w/Fire	Recognized*	-	-
AQUI28-16C16R	8	16	Y	1.04A	PTC	16	Access Control w/Fire	-	-	-

\*UL recognized components



# AQU243 Series

## 3 Amp 24VDC Single Voltage

The Securitron AccuPower™ AQU243 Series of switching power supplies are single voltage, supervised units with a battery charger.

They provide 3 Amps at 24VDC, with up to eight (8) independently controlled, power limited outputs.



UL LISTINGS



VOLTAGE



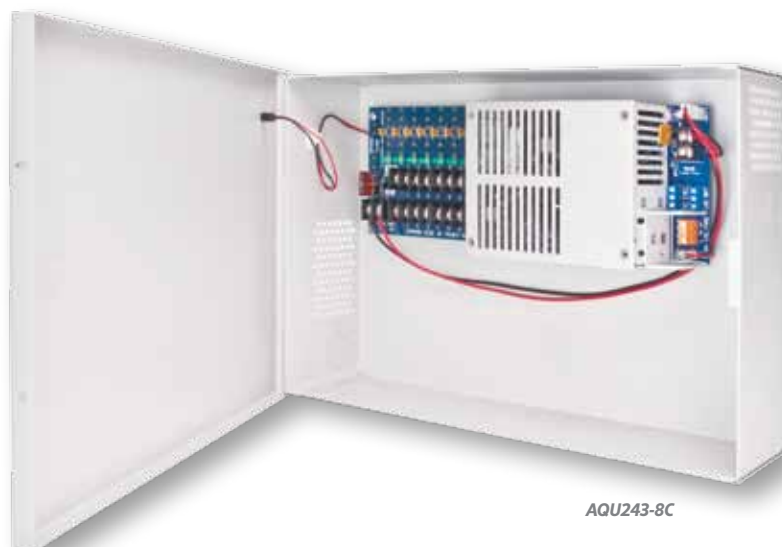
AMPERAGE



BATTERY  
BACKUP



SUPERVISION



AQU243-8C



**We want to hear from you.**

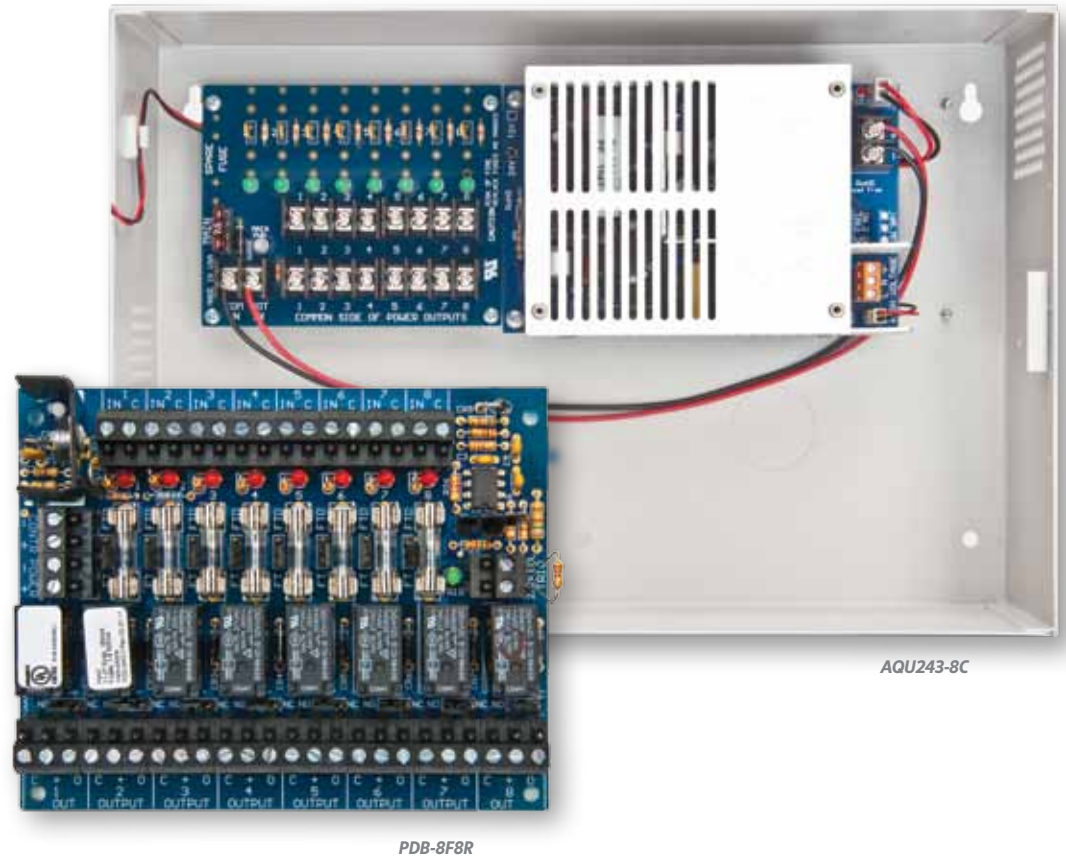
Comments and feedback from our customers helps us **develop better products**. Please e-mail your suggestions and ideas to [research@assaabloyems.com](mailto:research@assaabloyems.com).

### Specifications

- Available with up to eight (8) Class 2 power limited outputs
- Available with configurable access control input/outputs with fire trigger in either PTC or with fuse/dry contact option, fire relay only, or configurable outputs with fire relay input
- Universal input 90-240VAC
- LED indicators and form "C" contacts for supervision
- 14" x 9" x 3.5" enclosure
- Supports up to two (2) sealed gel, AGM or wet lead acid batteries

## Standard Features

- 3 Amp /24VDC continuous output
- Internal transformer
- Tolerates brownout or overvoltage input from 60-260VAC
- Thermal shutdown protection with auto restart
- Circuit breaker protects against overcurrent and reverse battery faults
- Battery charger and power supervision
- Low battery disconnect prevents deep discharge
- Dedicated voltage enables faster battery charging even under full load



AQU243-8C

PDB-8F8R

Product Number	Amps	Outputs	Class 2 Power Limited	Fuse Rating	Fuse Type	# of Relays	Relay Type	UL294	UL603	ULCS318-96
AQU243	3	1	N	N/A	N/A	-	-	Listed	Listed	Listed
AQU243-8F	3	8	N	1A	Fuse	-	-	-	-	-
AQU243-8C	3	8	Y	0.72A	PTC	-	-	Listed	Listed	Listed
AQU243-8C1R	3	8	Y	1.23A	PTC	1	Fire Relay	Recognized*	Recognized*	-
AQU243-8F8R	3	8	Y	0.5A	Fuse	8	Access Control w/Fire	Recognized*	-	-
AQU243-8C8R	3	8	Y	1.04A	PTC	8	Access Control w/Fire	-	-	-

\*UL recognized components

**SECURITRON**  
ASSA ABLOY

# AQU244 Series

## 4 Amp 24VDC Single Voltage

The Securitron AccuPower™ AQU244 Series of switching power supplies are single voltage supervised units with a battery charger.

These units provide 4 Amps at 24VDC, with up to 16 independently controlled, power limited outputs.



UL LISTINGS



VOLTAGE



AMPERAGE



BATTERY  
BACKUP



SUPERVISION



AQU244-8F8R



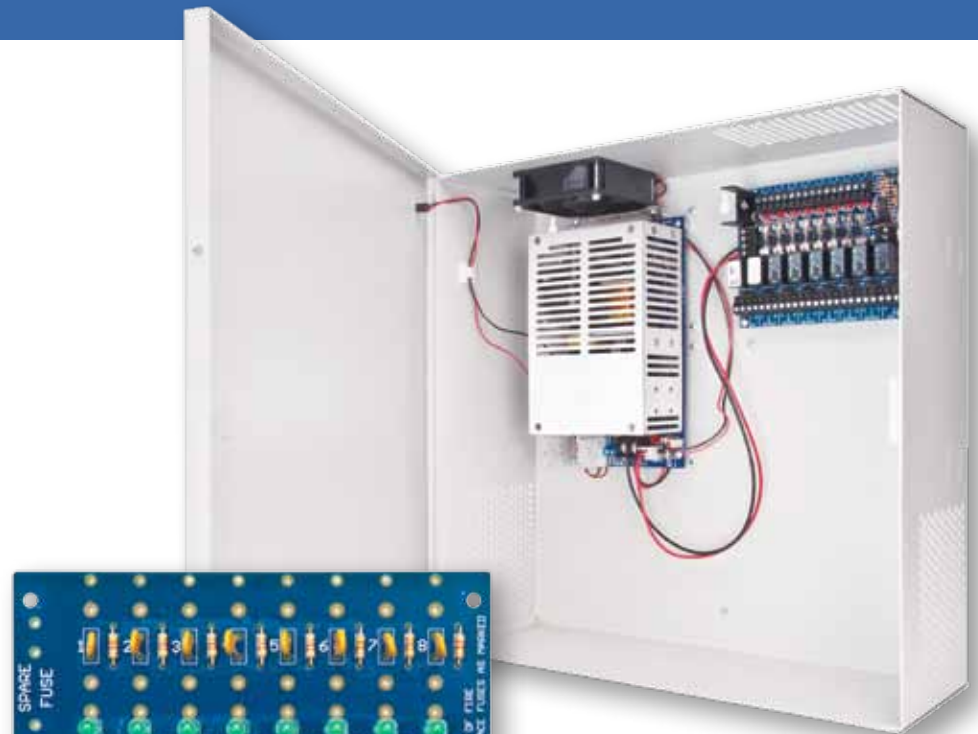
When you purchase AccuPower, you can count on **Securitron's proven history of exceptional customer service**, tech support and the best warranty in the industry. *(See page 18 for warranty details).*

### Specifications

- Available with up to 16 Class 2 power limited outputs
- Available with configurable access control input/outputs with fire trigger in either PTC or with fuse/dry contact option, fire relay only, or configurable outputs with fire relay input
- Universal input 90-240VAC
- LED indicators and form "C" contacts for supervision
- 14" x 14" x 4.75" enclosure
- Supports up to two (2) sealed gel, AGM or wet lead acid batteries

## Standard Features

- 4 Amp /24VDC continuous output
- Internal transformer
- Tolerates brownout or overvoltage input from 60-260VAC
- Thermal shutdown protection with auto restart
- Circuit breaker protects against overcurrent and reverse battery faults
- Battery charger and power supervision
- Low battery disconnect prevents deep discharge
- Dedicated voltage enables faster battery charging even under full load



AQU244-8F8R



PDB-8C

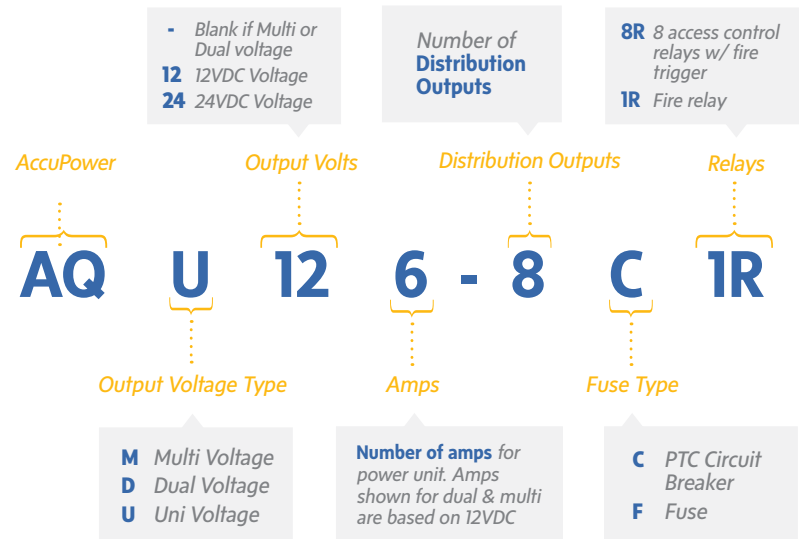
Product Number	Amps	Outputs	Class 2 Power Limited	Fuse Rating	Fuse Type	# of Relays	Relay Type	UL294	UL603	ULCS318-96
AQU244	4	1	N	N/A	N/A	-	-	Listed	Listed	Listed
AQU244-8C	4	8	Y	0.72A	PTC	-	-	Listed	Listed	Listed
AQU244-16C	4	16	Y	0.72A	PTC	-	-	Listed	Listed	Listed
AQU244-8C1R	4	8	Y	1.23A	PTC	1	Fire Relay	Recognized*	Recognized*	-
AQU244-8F8R	4	8	Y	0.5A	Fuse	8	Access Control w/Fire	Recognized*	-	-
AQU244-8C8R	4	8	Y	1.04A	PTC	8	Access Control w/Fire	-	-	-
AQU244-16F16R	4	16	Y	0.5A	Fuse	16	Access Control w/Fire	Recognized*	-	-
AQU244-16C16R	4	16	Y	1.04A	PTC	16	Access Control w/Fire	-	-	-

\*UL recognized components

**SECURITRON**  
ASSA ABLOY

# How to Order

The **Securiton AccuPower™ Power Supplies** part numbering system has been designed to make products easy to order and remember.



## Clean, Accurate Power Backed by the **Industry's Best Warranty**

SECURITRON MAGNALOCK CORPORATION warrants that it will replace at customer's request, at any time for any reason, products manufactured and branded by SECURITRON since January 1, 1999. SECURITRON will use its best efforts to ship a replacement product by next day air freight at no cost to the customer within 24 hours of SECURITRON's receipt of the product from customer. SECURITRON's sole and exclusive liability, and customer's sole remedy, is limited to the replacement of the SECURITRON product when delivered to SECURITRON's facility (freight and insurance charges prepaid by customer). The replacement, at SECURITRON's sole option, may be the identical item or a newer unit which serves as a functional replacement. In the event that the product type has become obsolete in SECURITRON's product line, this warranty will not apply. This warranty also does not apply to custom, built to order, or non-catalog items, items

made by others (such as batteries), returns for payment, distributor stock reductions, returns seeking replacement with anything other than the identical product, or products installed outside of the United States or Canada. This warranty also does not apply to removal or installation costs. SECURITRON will not be liable to the purchaser, the customer or anyone else for incidental or consequential damages arising from any defect in, or malfunction of, its products. SECURITRON does not assume any responsibility for damage or injury to person or property due to improper care, storage, handling, abuse, misuse, or an act of God. EXCEPT AS STATED ABOVE, SECURITRON MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, AS TO ANY MATTER WHATSOEVER, INCLUDING WITHOUT LIMITATION THE CONDITION OF ITS PRODUCTS, THEIR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.



**SECURITRON**

**ASSA ABLOY**

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

10027 S. 51<sup>st</sup> Street  
Phoenix, AZ 85044

[www.securitron.com](http://www.securitron.com)

**800.624.5625**

