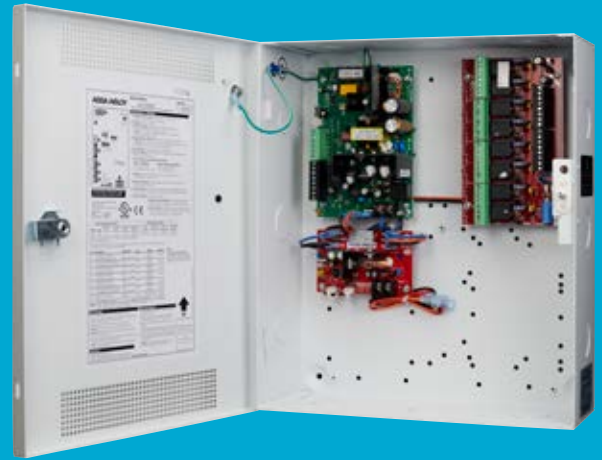# Securitron® AQL Series

Single, dual & multi-voltage ready intelligent power system

An out-of-the-box solution that offers unique performance and value.

The Securitron AQL Series of switching power supplies is an out-of-the-box solution that makes installation easier. It is feature rich, network management ready and available in 12 or 24 VDC single, dual and multi-voltage units.

LIFE — MagnaCare Warranty
Battery Backup

Features

Standard Features

- Low battery cutoff protects batteries from deep discharge
- Dedicated fast charger prolongs battery life
- Enhanced surge immunity for input/output protection
- LockSafe™ keeps locks cooler by providing a separate, dedicated battery charging circuit
- OutSmart™ technology dual-color LED notification which prevents incorrect voltage application to locking devices [Green: 12 V | Blue: 24 V]
- Auxiliary output rated 1.4 A continuous
- Mix and match UL Listing
- Instant auto-switch to battery on AC loss
- Multi-voltage with Securitron B100
- Integrated Fire Alarm Interface (FAI) allows main output shutdown or disconnect on a per output basis when using an R8 output module
- Network ready with optional Netlink™ module
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Optional Features

- Enhanced Network Management
  - AC line voltage monitoring
  - Remote battery monitoring and testing
  - 1000 event data recording
  - Email fault reporting

Specifications

Certifications

- UL 294 Listed
- UL 603 Listed
- UL 1076 Listed
- ULC-S318 Listed
- ULC-S319 Listed
- CSA C22.2 #107.1
- RoHS Compliant

Electrical

- 12 VDC or 24 VDC output
- 12 VDC & 24 VDC output (optional) with Securitron B100
- 120 or 230 VAC input
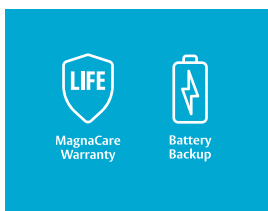- Up to 91% efficiency

Environmental

- Operating Temperature: 32˚ to 120˚ F [0˚ to 49˚ C]
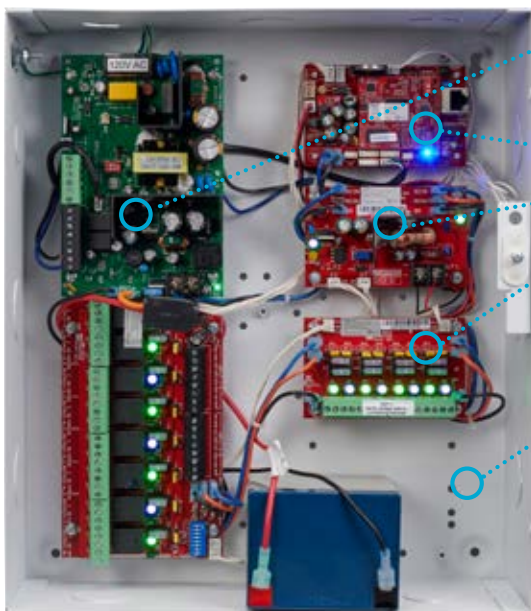
Max Shipping Weight

- 15.50 lbs [7 kg]

Dimensions

- 14"H x 12"W x 4.5"D [355.6mm H x 304.8mm W x 114.3mm D]

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Securitron AQL Series

Step by Step Configuration

1 *Select One Power Supply Module*
- AQL4
- AQL6
- AQL102
- AQL104

2 *Select Required Modules**
- B100
- R8
- D8
- D8P
- NL4

3 *Choose Enclosure***
- E1

4 *Combine to Generate Final Part Number*

Example:

AQL4 - B100 + D8 + R8 + NL4 + E1 =

AQL4-B100D8R8NL4E1

* When ordering more than one module, indicate quantity before the part number to generate final part number; for example AQL4-3D8E1.

**No enclosure = Module PCB only. Each module may be ordered separately.

Models

MODELS	AMPERAGE	RATED VOLTAGE	INPUT VOLTAGE	TYPICAL OUTPUT VOLTAGE	MULTI-VOLTAGE READY	CLASS 2 OUTPUTS
Securitron AQL4*	4	12 VDC	120/230 VAC	12.5 or 25 VDC	Yes	Yes
	3	24 VDC				
Securitron AQL6	6	12 or 24 VDC	120/230 VAC	12.5 or 25 VDC	Yes	with PTC distribution boards
Securitron AQL102	10	12 VDC	120/230 VAC	12.5 VDC	Yes**	with PTC distribution boards
Securitron AQL104	10	24 VDC	120/230 VAC	25 VDC	Yes	with PTC distribution boards

*Securitron AQL4 is field selectable. **Multi-voltage of 5 to 9 VDC only

How to Order

POWER SUPPLY MODULE	SECONDARY VOLTAGE MODULE	DISTRIBUTION MODULE	D8 FUSE STYLE	RELAY MODULE	NETLINK MODULE	ENCLOSURE
AQL4	**-B100**	**2D8**	**P**	**R8**	**NL4**	**E1**
AQL4	(blank)	(blank)	(blank) 3 A ATM Fuse	(blank)	(blank)	(blank) Module Only
AQL6	B100	D8	**P** 2.5 A PTC Polyswitch	R8	NL4	E1
AQL102		2D8		2R8		
AQL104		3D8		3R8		
		4D8				
		5D8				
		6D8				

AQL4 in an E1 enclosure has six module spaces where B100, NL4 and D8/D8P each take up one module space. R8 takes up two module spaces.

AQL6, AQL102 and AQL104 in an E1 enclosure has four module spaces where B100 , NL4 and D8/D8P each take up one module space. R8 takes up two module spaces.

Find additional training here: assaabloyesh.com/AQLpower