

# POWER SERIES

## THE BACS SERIES: HIGH CAPACITY AND MULTI-ZONE

Primarily intended for powering CCTV cameras, Securitron's **BACS-12-20**, supplies **20 Amps of 12 VAC** power and the model **BACS-24-10** supplies **10 Amps of 24 VAC** power. The BACS series employs the same multiple zone control concept as the BPS series as it includes nearly identical control boards (part number CCS-8A) which provide eight automatically breakered outputs with individual control switches and LED's. As with the BPS series, additional "slave" boards may be ordered to add eight extra zones (part number CCB-8A).

## SIMPLE DC POWER: PLUG-IN DC FILTERED SUPPLY

We offer these hard-to-find DC units in



tered in a 1-cube potted package with 16 color coded flying leads. This full insulation allows it to be field wired between a transformer and DC load device without concern for short circuits.

## HOW TO ORDER

### BPS Series DC Power Supplies:

See specification chart for part numbers, capacity, outputs and cabinet size  
Power input: 115 VAC (220 VAC available)

### BACS Series AC Power Supplies:



Corresponding power supply  
Cabinet Size: 12" x 7-1/4" x 3-1/4"

### PSP Plug-in Power Supply:

PSP-12: 12 VDC , 700 mA output  
PSP-24: 24 VDC, 350 mA output  
Power Input: 115 VAC  
Size: 2-1/4" x 2-1/4" x 2-1/2" with 16' wire leads

### BR-7 Bridge Rectifier:

BR-7: Bridge Rectifier for 12 or 24 VAC  
Capacity: 7A input/output  
Size: 1" x 1" x 1" with color coded wires 18" long

### BPS Series Approvals:

Underwriter's Laboratories:

SA6635 and S4615

Underwriter's Laboratories of Canada:  
CMS140

California State Fire Marshall:  
3774-0923:102 and 3774-0923:103

City of New York-Dept. of Buildings:  
MEA251-95E and MEA254-95E

City of Cleveland-Board of Building Standards and Building Appeals:  
S-5-89

US Veteran's Administration:  
M.P. 3 Part III

US Department of Defense:  
Listed

### Available From:

# SECURITRON

# POWER SOURCES

Ready to Install Power Supplies  
and Power Accessories

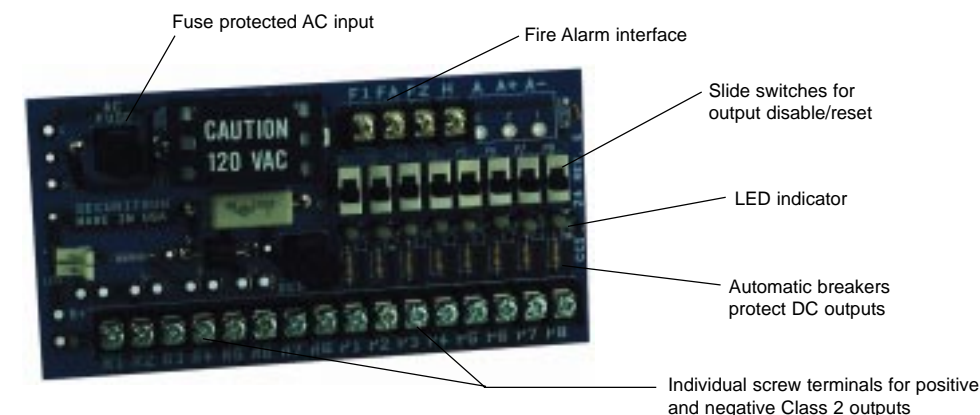


## OVERVIEW

Securitron manufactures a variety of outstanding products designed to supply and monitor 12 or 24 Volts for the operation of security and safety equipment. The **BPS Series DC Power Supplies** include battery charging capability with capacities from one to 15 Amps. The **BACS Series** provides high capacity **12 and 24 Volts AC** power. The model **PSM Power Supply Monitor** functions as an alarm system for your BPS series supply and our **plug-in DC** supplies and potted **bridge rectifier** fit into simpler applications.

## BPS SERIES: CLASS 2 WITH OR WITHOUT BATTERIES

All models are UL listed and incorporate integral battery charging capability which keeps the sealed lead acid gel/cell at full charge for instantaneous stand-by power in case of line voltage failure. All models in the series are **Class 2** rated by UL which means that output wiring need not be run in conduit. The **BPS-12-1** and **BPS-24-1** are one amp units that incorporate a fused AC input and a regulated DC output. A 2.5 Amp current limiting **automatic breaker** protects the stand-by batteries from driving into a short



The multi-featured CCS board allows easy hook-up and control for the BPS series 2 amp or greater power supplies.



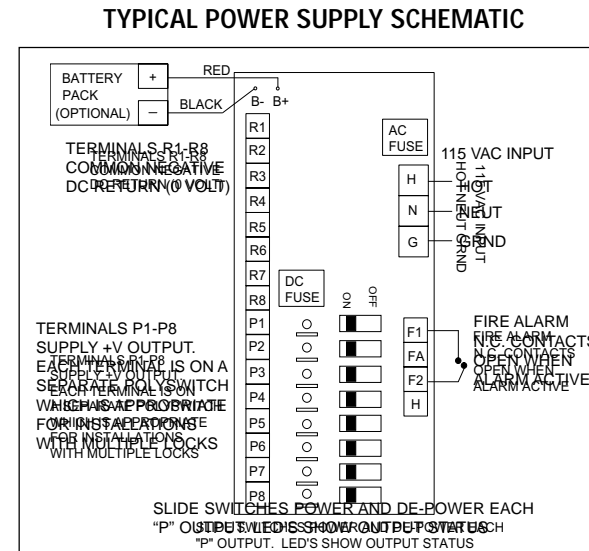
SECURITRON MAGNALOCK CORPORATION  
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BPS Series 1 Amp Power Supply shown with optional Battery Pack

## OUTPUT NUMBER CONTROL AND FIRE ALARM INTERFACE

While BPS series supplies are delivered with four or eight outputs depending on the model, the CCB-8 "slave" board may be optionally ordered to add eight additional Class 2 outputs. The more boards you add, the more outputs become available. Also, for **added safety**, the CCS-8 module has **emergency release terminals**. These can be broken by an external switch opening such as a relay controlled by the fire alarm system. This will automatically release all the devices being driven by the supply.

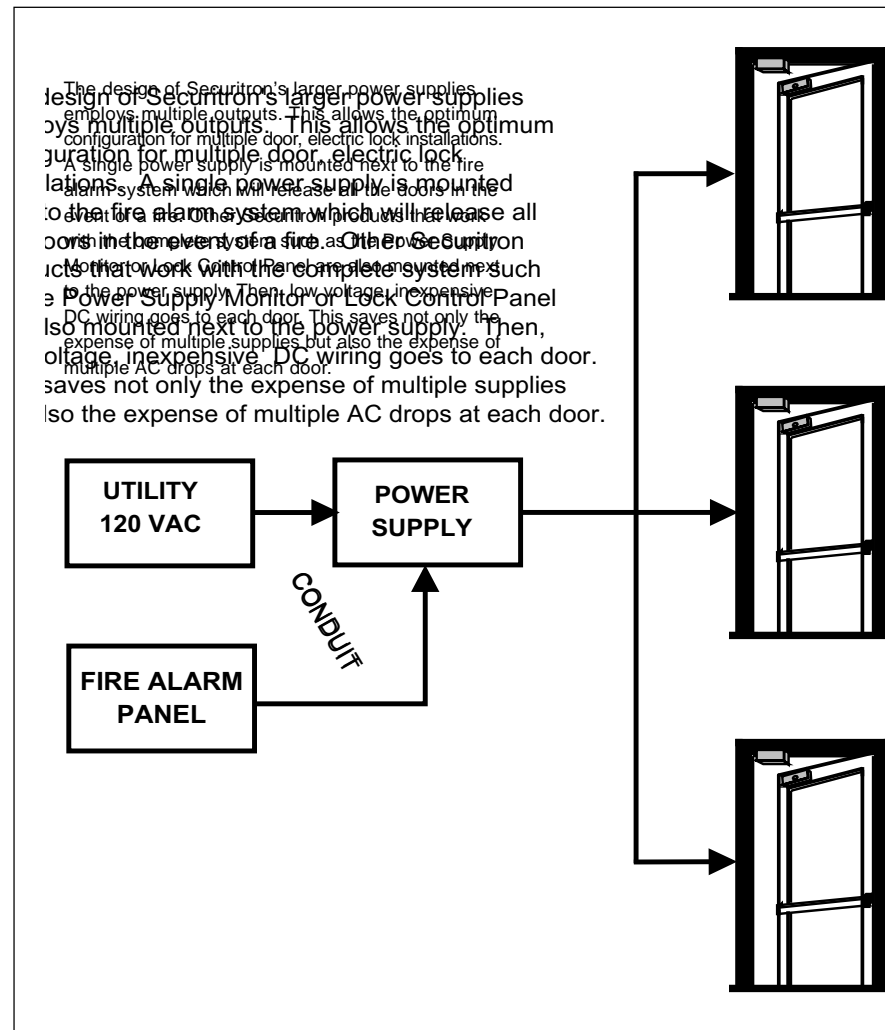


BPS-24-4 includes CCS-8 Control Module shown with optional Battery Pack

circuit. Plus, in the event of a DC short, the supply's regulator will go into thermal cut-off, switching off the output. The power supply enclosure is sized large enough to include at least two optional four amp-hour batteries and the unit can charge up to a **20 AH** pack (batteries mounted externally).

## BPS SERIES WITH CCS CONTROL MODULE

For larger applications and installations where **multiple devices** are being powered, Securitron offers the **higher-amperage** BPS Power Supply Series with integral CCS-4 or CCS-8 Power Control Module. The CCS board provides a fused line voltage input and **four or eight DC outputs** on separate **Class 2** current limited automatic circuit breakers. Each circuit can be **individually turned on and off** via a slide switch and the **powered status** of each is shown by an LED. There is no need for extra AC wiring of additional dedicated supplies in a multiple zone device installation and in the event of a DC short, the **problem is confined** to the zone in difficulty. The BPS continues to power all other stations, uninterrupted by the faulty component. An LED indicator light on the front cover illuminates when the power supply module is in operation and the unit will charge up to **20 AH** battery packs (for larger packs, consult the factory).



## BPS SERIES SPECIFICATIONS

12 VDC	Capacity	24 VDC	Capacity	Outputs	Cabinet Size
BPS-12-1	1 A	BPS-24-1	1 A	1	12" X 9" X 4"
BPS-12-3	3 A	BPS-24-2	2 A	4	14" X 14" X 4"
BPS-12-4.5	4.5 A	BPS-24-3	3 A	4	14" X 14" X 4"
BPS-12-6	6 A	BPS-24-4	4 A	8	15" X 18" X 6"
BPS-12-9	9 A	BPS-24-6	6 A	8	15" X 18" X 6"
BPS-12-15	15 A	BPS-24-10	10 A	8	15" X 18" X 6"

## THE POWER SUPPLY MONITOR



For critical applications, Securitron offers the remarkable Power Supply Monitor as an accessory for its larger **DC** supplies. Available in 12 and 24 volt versions, the PSM can operate with all BPS series supplies with capacities of 2 Amps or more. The Power Supply Monitor functions as an **alarm system for the supply** as it monitors all key functions and reports any trouble.

The **output voltage** is continuously read to insure that it remains within tight limits which are necessary for proper float charging of the battery pack. A high or low variance is separately signalled by audio/visual latching alarms at the PSM enclosure and simultaneous dry contact switching for remote notification.

taking it off charge three times a day and subjecting it to an extended load test. Failure is reported so that the pack may be replaced and naturally, the test is immediately terminated in the event of an actual power failure so that the load will continue to operate.

Another important PSM report is whenever the **batteries have switched in** to operate the load. This provides advance warning that the load will operate for only the stand by duration of the pack. Many users assume that they will know when their system is being operated by battery power only, because a building power failure is obvious.

The PSM also **checks the battery pack** by

