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Electronic Security Hardware

HES | Securitron

2020 Product Catalog



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Securitron® Power Distribution Board with Access Control & Fire Trigger

Works with AQD & AQS power supplies



Power plus interfaces for sophisticated access control.

The Securitron PDB-8F8R and PDB-8C8R split a power supply main output into eight fused- or PTC circuit breaker-protected outputs. Each output is individually configurable to respond and react to access control relay inputs and/or fire trigger.

Features

Standard Features

- Eight power outputs
- Eight individually configurable relays with status LEDs
- End-of-Line resistor master trigger for Fire System interface
- LED indicator for trigger status
- Removable terminal blocks for easy connection
- Each output individually configurable for:
  - — Fire trigger enabled or disabled
  - — Normally Open or Normally Closed
  - — Continuous output
- 8F8R can provide dry contacts by removing fuses
- Relay inputs individually configurable for:
  - Low current open collector
    - — Normally Closed switch
    - — Normally Open switch
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty
- 8C8R provides class 2 outputs

Specifications

Certifications

- UL 294 Listed
- UL 603 Listed
- ULC-S318 Listed
- ULC-S533 Listed

Electrical

- Available with 1 A or 2 A Fuses or PTC
- Uses 20 mA per relay
- 7A relays
- 8 fused triggered outputs

Dimensions

- **Board:** 3-3/4"H x 4-13/16"W x 13/16"D [95mm H x 106mm W x 5mm D]
- **Mounting:** 3-7/16" H x 4-1/2" W [87mm H x 114mm W]

Shipping Weight

- 1 lb [0.45 kg]

LIFE MagnaCare Warranty

12/24 Dual Voltage 12/24

How to Order

MODEL SERIES	OUTPUTS	RELAYS	FUSE SIZE
PDB	-8F	8R	1
PDB	**8F** Glass fuse	**8R** 8 Relays	**1** Amp
	8C PTC		**2** Amp

Securitron® Power Distribution Board with Fire Trigger

Works with AQD & AQS power supplies



Power distribution with configurable, supervised fire relay.

The Securitron PDB-8C1R and PDB-8F1R split a main DC power source into eight Class 2 power limited outputs. Each output is individually configurable for "Normally On" or "Normally Off" and can change state in response to an alarm condition from either or both supervised triggers, or can remain in its native state.

Features

Standard Features

- 8 Class 2 power limited outputs with PTC circuit breakers
- Individual LED output status indicators
- LED main input power indicator
- Removable terminal blocks for easy connection
- Two supervised triggers
  - End-of-line resistor
  - Optically isolated trigger by voltage or reverse polarity
- LEDs and form C contacts indicate trigger status
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty
- Trouble and Fire alarm states supervision

Specifications

Certifications

- UL 294 Listed
- UL 603 Listed
- ULC-S318 Listed
- ULC-S533 Listed

Dimensions

- **Board:** 3-7/8"H x 4-7/8"W x 3/4"D [98mm H x 124mm W x 19mm D]
- **Mounting:** 3-7/16"H x 4-1/2"W [87mm H x 114mm W]

Electrical

- Universal 12-24 VDC input
- 90-160 mA per relay
- Available with 1 A or 2 A Fuses or PTC's
- 2 A form C contacts

Shipping Weight

- 1 lb [0.45kg]

LIFE MagnaCare Warranty

12/24 Dual Voltage 12/24

How to Order

MODEL SERIES	OUTPUTS	FUSE SIZE
PDB	-8F1R	1
PDB	**8F1R** Glass Fuse, Fire Trigger/Relay	**1** Amp
	8C1R PTC Output, Fire Trigger/Relay	**2** Amp

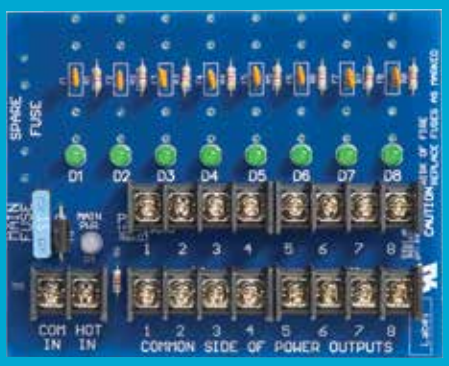
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Updated 7/7/20 Patent pending and/or patent www.assaabloydss.com/patents

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Securitron® Power Distribution Board

Works with AQD & AQS power supplies



Creates multiple outputs for separate circuits.

Securitron Power Distribution Boards split the primary AC or DC output from a power supply into multiple outputs of the same voltage type to separate equipment onto individual circuits.

Features

Standard Features

- Splits main board output into multiple outputs
- Each output has a status LED indicator
- Main input has a status LED indicator
- 12 V or 24 V output (based on power supply output)
- Accepts AC or DC input/ provides same output
- PDB-4 has an on/off power switch
- PDB-8 has a main power indicator that indicates AC, DC or reverse DC input
- Individually fused with 1 Amp or 2 Amp options available
- PTC variants provide class 2 power limited outputs
- Separate fuse for main input surge protection–standard automotive ATO sizes
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Specifications

Electrical

- **PDB-4C, PDB-8C**
  - PTC circuit breakers rated holding current at 130° F
  - Accepts AC or DC input up to 32 V
  - Outputs rated Class 2 power limited
- **PDB-4F, PDB-8F**
  - Fuses for individual outputs are standard 3 AGC
  - Accepts AC or DC input

Certifications

- UL 294 Listed
- UL 603 Listed
- ULC-S318 Listed
- ULC-S533 Listed

Dimensions

- **PDB-4 Board** 3-3/4" H x 2-1/4"W x 1"D [95mm H x 57mm W x 25mm D]
- **Mounting** 3-7/16"H x 1-7/8"W [87mm H x 48mm W]
- **PDB-8 Board** 4-7/8"H x 4-7/8"W x 1"D [124mm H x 124mm W x 25mm D]
- **Mounting** 3-7/16" H x 4-1/2" W [87mm H x 124mm W]

How to Order

MODEL SERIES	# OF OUTPUTS	FUSE TYPE	FUSE SIZE
PDB	4	F	1 A
PDB	**4**	**F** Glass fuse	**1 A**
	8	**C** PTC	**2 A**

Securitron® Fire Alarm Interface

Works with AQD & AQS power supplies



Fire relay triggers power transfer in an alarm situation.

The Securitron PDB-1R uses an end-of-line resistor to trigger a form C contact in response to a fire system alarm condition. In response to the trigger, the unit transfers power from the "Normally On" output to the "Normally Off" output. Additional triggered reactions include status feedback to fire control or annunciation systems, ground fault trigger and input trigger that latches until reset.

Features

Standard Features

- Individual LED indicators show which output is powered
- Form C contact indicates trigger status
- Latching or non-latching mode
- Can provide ground supervision via jumper configuration
- Output triggers include:
  - Normally Open or Normally Closed with supervised End-of-Line resistor
  - Normally Closed override switch trigger input
  - Normally Closed Auxiliary switch trigger input
  - Ground fault detection
  - Trigger status reporting
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

Specifications

Certifications

- UL 294 Listed
- UL 603 Listed
- ULC-S318 Listed
- ULC-S533 Listed

Dimensions

- **Board:** 3-3/4"H x 2-1/4"W x 13/16"D [95mm H x 57mm W x 21mm D]
- **Mounting:** 3-7/16" H x 1-7/8"W [87mm H x 48mm W]

Electrical

- 70 mA used for relay control
- Universal 12-24 VDC input
- 1 A or 2 A outputs
- 4 A rate of relay

Shipping Weight

- 0.75 lbs [0.45 kg]

PART NUMBER	DESCRIPTION
PDB-1R	Fire Trigger/Relay Interface Board

Updated 7/7/20 Patent pending and/or patent www.assaabloydss.com/patents
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Securitron® EcoPower® Power Supply

Efficient 0.5A power supply for low-power locks



Securitron EcoPower power supply is designed to work with ultra-low-power electrified access control devices.

This small, aesthetic power supply reduces standby power consumption to only 8.5mW, a 99% energy savings compared to switching power supplies. When paired with EcoFlex® and EcoTrim from SARGENT® and Corbin Russwin®, EcoPower reduces total door power consumption 99%, from up to 20 W to 0.3 W or less. EcoPower is the most efficient, fully featured power supply available today.

Features

Standard Features

- Extremely low power consumption, only 8.5 mW standby power consumption with a 115 V input
- Included battery provides 24+ hours of backup
- Universal input voltage capabilities (100-240 VAC)
- Multiple mounting options
  - Surface mounted
  - Recessed into drywall
  - Use either the factory box or an existing UL Listed double gang junction box
- Sustainability documentation
- Longer wire runs of thinner gauge wire provides additional cost savings
- Fire alarm input dry contact (NO or NC)
- Access control input dry contact (NO or NC)
- Supports fail secure and fail safe lock configurations
- LED troubleshooting
- Built in battery end-of-life notification system
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty

LIFE
MagnaCare Warranty

Battery Backup

Specifications

Certifications

- UL 294 Listed
- UL 603 Listed
- ULC S533 Listed
- CE Certified
  - EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
  - EN 55022: 2010
  - EN 55024: 2010
  - EN61000-3-2: 2014
  - EN61000-3-3: 2013
- RoHS Compliant
- REACH Compliant
- Environmental Product Declaration

Electrical

- Input voltage: 100-240 V
- Output voltage: 12 V-14 V
- Standby power: < 10 mW at 115 V, < 20 mW at 230 V
- Output current: 0.5 A peak, 0.1 A continuous
- Includes one (1) 800 mAh sealed AGM lead acid battery*

Environmental

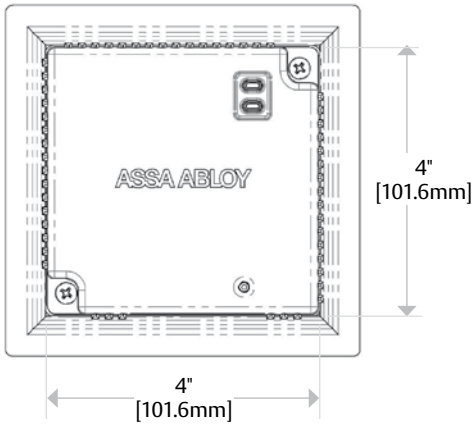
- Operating Temperature: -4° to 122° F [-20° to 50° C]

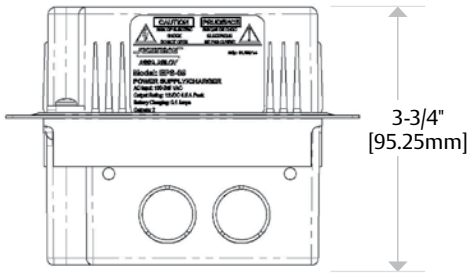
Shipping Weight

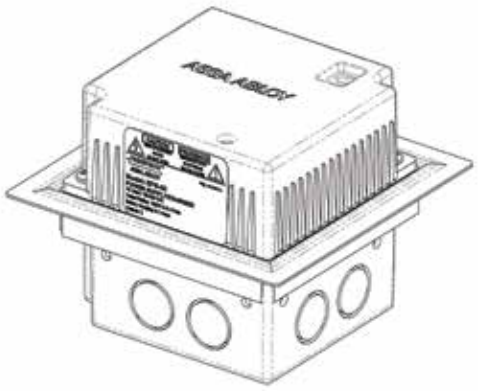
- 1.7 lbs [0.77 kg]

** Battery not covered under MagnaCare warranty.*

Dimensions







How to Order

MODEL SERIES	OUTPUT POWER	OPTION (S)
EPS	– 05	B
EPS	**05** 0.5 Amps	**(blank)** PS, enclosure, battery
		B Circuit Board Only

Updated 7/7/20 Patent pending and/or patent www.assaabloydss.com/patents
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