PS-SE Power Supply

Function

This power supply is required for the Silent Electrification Motorized Latch Retraction (SE) option on Adams Rite exit devices. It operates at 24 VDC to power up to two SE exit devices in sequential or independent modes. The PS-SE is also equipped with a fire alarm disconnect interface circuitry.

Operating Modes

The PS-SE is designed to power up to two 3000 SE or 8000 SE exit devices in the following operating modes:

- **Sequential Mode** – A single input switch (Dry Contact) operates two devices in sequential operation. Ideal for a double-door setup.
- **Independent Mode** – Each SE exit device is controlled by its own input switch.

Specifications

**UL1012 + UL1310**

**INPUT POWER**

- 115 VAC, 0.7A

**PRIMARY FUSE**

- The PS-SE has two user-serviceable fuses:
  - F1: Transformer output: 2AMPS/250V 5x20MM
  - F2: Transformer input: 2AMPS/250V 5x20MM

**OPEN HOLD TIMES**

- The PS-SE has two open hold timers. Hold open time settings are adjustable from 2-60 seconds.

**ENCLOSURE**

- Hinged, steel cabinet measures 10” x 10-3/8” x 4-1/8”. Black, baked enamel finish, with knockouts for conduit connections. Sized to accommodate two sealed, lead acid batteries (7AH, not included).

**OPTIONS**

- Battery Backup Kit (BBK-SE) available separately to add battery backup capability to the PS-SE. The enclosure is sized to accommodate two 12 volt – 7AH sealed, lead acid batteries (not included).

Important Note

Adams Rite requires that for optimal performance all exit devices with the SE option be paired with PS-SE power supplies. Failure to do so may cause permanent damage to the exit device and will void the Manufacturer’s warranty.
### Dimensions

![Dimensions Diagram]

### Layout & Wiring

![Wiring Diagram]

### HOW TO ORDER

**PS-SE POWER SUPPLY**

Specify quantity and the following information. Order related products separately.

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS-SE</td>
<td>SE Power Supply for exit devices w/ SE option</td>
</tr>
</tbody>
</table>

### RELATED PRODUCTS

When purchasing this product, please consider the following related products, available separately:

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBK-SE Battery Backup Kit</td>
<td>4612 Power Transfer Device.</td>
</tr>
</tbody>
</table>

### COMPATIBLE PRODUCTS

This product is compatible with the following products:

- **Deadlatches**: 4300 Electrified Deadlatch
- **Electric Strikes**: 7100, 7200, 7400 Series Electric Strikes
- **Exit Devices**: All electrified exit devices with SE Silent Electrification Motorized Latch Retraction
- **Trim**: 3080 Entry Trim, 3090P/3090C Keyless Entry

All measurements are approximate and are provided for informational purposes only. Refer to the product Installation Instructions.

PS-1 Power Supply

One amp linear power supply with integrated battery backup circuitry for electric strikes, maglocks, and other access control devices.

Function
Provides filtered and regulated voltage output to power electric strikes, magnetic locks, or other access control devices. Output is selectable in the field for 12 or 24 VDC. Charging circuit is built in for battery backup power (batteries not included) with 12 or 24 VDC operation. LED on circuit board indicates power input.

Specifications

UL 294

INPUT POWER
• 110 VAC, 60 Hz, 0.5A

OUTPUT VOLTAGE
• Field-selectable 12 or 24 VDC, 1 Amp. (Maximum 13.8 VDC/27.6 VDC)

PRIMARY FUSE
• 800 mA, 5 x 20MM

BATTERY FUSE
• 2 Amps, 5 x 20MM

FIRE ALARM
• UL listed low current fire alarm disconnect requires only a minimum size fire alarm relay and wire gauge.

ENCLOSURE
• Hinged, steel cabinet measures 12-1/8" x 4" x 12-1/8". Beige, baked enamel finish with knockouts for conduit and key lock. Sized to accommodate two sealed, lead acid batteries (4AH, not included).

OPTIONS
• 4612 Power Transfer Device available separately. Enclosure sized to accommodate two sealed, lead acid batteries (4 AH, not included).
**Dimensions**

![Dimensions Diagram]

**Layout & Wiring**

![Layout & Wiring Diagram]

**HOW TO ORDER**  
**PS-1 POWER SUPPLY**

Specify quantity and the following information. Order related products separately.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PS</strong></td>
<td><strong>-1</strong></td>
</tr>
<tr>
<td></td>
<td>1 Standard Power Supply</td>
</tr>
</tbody>
</table>

**RELATED PRODUCTS**  
When purchasing this product, please consider the following related products, available separately:

- **Accessories**: Batteries not included.
- **Power**: 4612 Power Transfer Device.

**COMPATIBLE PRODUCTS**  
This product is compatible with the following products:

- **Deadlatches**: 4300 Electrified Deadlatch.
- **Electric Strikes**: 7100, 7200, 7400 Series Electric Strikes.
- **Exit Devices**: All electrified exit devices without Motorized Latch Retraction.
- **Trim**: 3080 Entry Trim, 3090P/3090C Keyless Entry.

All measurements are approximate and are provided for informational purposes only. Refer to the product Installation Instructions.
PS-LR Power Supply
Linear power supply with optional battery backup for vertical rod and mortise type exit devices with electric latch retraction (LR) option.

Function
This Adams Rite power supply is strongly recommended for the electric latch retraction (LR) option on vertical rod and mortise types of exit devices. It operates at 28 VDC to power up to two LR exit devices in sequential or independent modes. The PS-LR is also equipped with a fire alarm disconnect interface circuitry.

Operating Modes
The PS-LR is designed to power up to two 3000 LR or 8000 LR exit devices in the following operating modes:
- **Sequential Mode** – A single input switch (dry contact) operates two devices in sequential operation. Ideal for a double-door setup.
- **Independent Mode** – Each LR exit device is controlled by its own input switch.

Specifications
UL1012 + UL1310
CAN/CSA - C22.2 NO. 223

**INPUT POWER**
- 115 VAC or 230 VAC, 0.7A/0.4A

**PRIMARY FUSE**
The PS-LR has two user-serviceable fuses:
- F1: Transformer output: 4.0A/250V 5x20MM
- F2: Transformer input: 3.15A/250V 5x20MM

**OPEN HOLD TIMES**
The PS-LR has two open hold timers. Hold open time settings are adjustable from 2-60 seconds.

**ENCLOSURE**
- Hinged, steel cabinet measures 10" x 10-3/8" x 4-1/8". Blue, baked enamel finish, with knockouts for conduit connections. Sized to accommodate two sealed, lead acid batteries (7AH, not included).

**OPTIONS**
- Battery Backup Kit (BBK-LR) available separately to add battery backup capability to the PS-LR. The enclosure is sized to accommodate two 12 volt – 7AH sealed, lead acid batteries (not included).
Dimensions

Layout & Wiring

HOW TO ORDER  PS-LR POWER SUPPLY

Specify quantity and the following information. Order related products separately.

<table>
<thead>
<tr>
<th>POWER SUPPLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS-LR</td>
</tr>
<tr>
<td>LR Power Supply for exit devices w/ LR option</td>
</tr>
</tbody>
</table>

RELATED PRODUCTS

When purchasing this product, please consider the following related products, available separately:

- **Accessories**
  - BBK-LR Battery Backup Kit.

- **Power**
  - 4612 Power Transfer Device.
  - 4300 Electrified Deadlatch.

- **Electric Strikes**
  - 7100, 7200, 7400 Series Electric Strikes.

- **Exit Devices**
  - All electrified exit devices with LR Latch Retraction.

- **Trim**
  - 3080 Entry Trim, 3090P/3090C Keyless Entry.

COMPATIBLE PRODUCTS

This product is compatible with the following products:

- **BBK-LR**
- **4612**
- **4300**
- **7100, 7200, 7400**
- **3080 Entry Trim, 3090P/3090C Keyless Entry**

*All measurements are approximate and are provided for informational purposes only. Refer to the product Installation Instructions.*

**Transformer, Rectifier and Piezo Horn**

**4603 Rectifier**
Converts low voltage AC current to DC of same voltage. Installs in low voltage line between transformer and strike. Full wave bridge type. Rated 2 Amps. (200 PIV).

**4605 Transformer**
Converts 120VAC to 12VAC/24VAC. Rated 40 Volt-amp output assures plenty of power for strike release.

**4606 Plug-In Transformer**
Converts 120VAC current to 24VAC. Plugs into standard wall outlet.

**29-0218 Piezo Horn**
Provides for audible indication of when a DC strike is energized. Operates with 12 VDC, 16 VDC, or 24 VDC strikes.
All measurements are approximate and are provided for informational purposes only. Refer to the product Installation Instructions.

**Dimensions**

### 4603 Rectifier

- **Shrink Tubing**: 8" ± 1/2" (203.2mm ± 12.7mm)
- **Dimensions**: 4-5/64" MAX (103.6mm)

### 4605 Transformer

- **Dimensions**: 2-7/8" 73mm
- **Dimensions**: 3-7/8" 96.4mm
- **Dimensions**: 2-1/4" 57.2mm

### 29-0218 Piezo Horn

- **Dimensions**: 1/8" 3.2mm
- **Dimensions**: 1-7/32" 31.7mm

**HOW TO ORDER** 4603, 4605, 4606 RECTIFIER, TRANSFORMER

Specify quantity and the following information. Order related products separately.

| ACCESSORY | 460 | 3
|-----------|-----|------
| 3 Rectifier |      |      |
| 5 Transformer |    |      |
| 6 Transformer (plug in) | | |

**RELATED PRODUCTS**

When purchasing this product, please consider the following related products, available separately:

- **Power**
  - PS-1, PS-SE, PS-LR, and 4612 Power Transfer Device

**COMPATIBLE PRODUCTS**

This product is compatible with the following products:

- **Deadlatches**
  - 4300 Electrified Deadlatch
- **Electric Strikes**
  - 7100, 7200, 7400 Series Electric Strikes
- **Trim**
  - 3080 Entry Trim
The 4612 Power Transfer Device channels electrical wiring from the door frame into the door itself. This powers electric strikes, locks, exit bars, and more on doors hung with butt-type hinges.

### Function
Provides a secure and unobtrusive means of channeling electrical wiring from the door frame into the door itself, for powering electric strikes, locks, exit bars, etc. Suitable for any door hung with butt-type hinges, including continuous or pivots offset 3/4" or less. (Not compatible with center-pivot doors.)

### Specifications

**UL634**
- Spring steel helix has internal diameter of approximate 5/16". This provides ample room for multiple wires of the low voltage type used with most electrical hardware.

**HOUSING**
- Stamped steel, approximately 1/16" thick. Short (105° swing) version shown is 11-1/12" long. 180° version is 20-5/21" long. Chrome finish.

**CASE-KNIFE GUARD**
- Particularly for out-swinging doors, a steel barrier fence offers extra protection against attack on the conduit by knives, shims, or other tools. Completely hidden when door is closed.

**OPTIONS**
- Available for application in aluminum, hollow steel, or wood door and frames. Standard (short) version suits doors that swing up to 105°. A longer version is available for doors that open 180°. Swing Clear option is also available.

**STANDARD PACKAGE**
- Individually boxed with fasteners as required for each application type: wood, steel, or aluminum. Shipping weight approximately 1 lb.
**How to Order**

4612 POWER TRANSFER DEVICE

Specify quantity and the following information. Order related products separately.

<table>
<thead>
<tr>
<th>4612</th>
<th>-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>105° swing</td>
</tr>
<tr>
<td>1SC</td>
<td>Swing clear, 90°</td>
</tr>
<tr>
<td>2</td>
<td>180° swing</td>
</tr>
</tbody>
</table>

**Compatible Products**

This product is compatible with the following products:

<table>
<thead>
<tr>
<th>Deadlatches</th>
<th>Electric Strikes</th>
<th>Exit Devices</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>4300 Electrified Deadlatch.</td>
<td>7100, 7200, 7400 Series Electric Strikes.</td>
<td>All electrified exit devices.</td>
<td>3080 Entry Trim, 3090P/3090C Keyless Entry</td>
</tr>
</tbody>
</table>