Power Supplies

OVERVIEW

ION offers a variety of power supplies for its products.

The power supplies include:

- 120 VAC Wall Plug
- 24 VAC Low Voltage Power Supply
- 120/240 VAC Junction Box
- 120/240 VAC Transformer

The various power supplies provide complete flexibility and customization for each application based on the existing electrical configuration and distance requirements. Suitable for new or retrofit projects.

FEATURES

**Four High Voltage (120VAC/240 V AC) to DC voltage Power Supplies**

**North American Wall Plug adapter—Input 120/240 AC to DC voltage**

**PS1001**
- Up to 6 watts power, efficiency level V
- Compact size (H 1.65", L 2.45", W 1.055"), UL safety approvals
- Single output 9 volt DC, output connection female plug
- Over voltage and short circuit protection
- Operating temperature -10 to 70 degrees C

**PS1003**
- Up to 6 watts power, efficiency level V
- Compact size, (H 1.65", L 2.45", W 1.055"), UL safety approvals
- Single output 4.5 volt DC, output connection female plug
- Over voltage and short circuit protection
- Operating temperature -10 to 70 degrees C

**Terminal block connection Power supply—Input 120/240 AC to DC voltage**

**PS1000**
- Up to 5.5 watts power, efficiency 78%
- Encapsulated compact size, (H 0.993", L 2.992", W 1.24"), UL safety approvals
- Single output 12 volt DC, output connection two terminal connections
- Over voltage, over temperature, and short circuit protection
- Operating temperature -10 to 70 degrees C

**Junction box Power supply—Input 120/240 AC to DC voltage**

**PS1008**
- Up to 15.6 watts power, efficiency 81%
- Compact size, (H 2.0", L 6.0", W 4.0"), UL safety approvals
- Single output 12 volt DC output connection two terminal connections
- Over voltage, over temperature, and short circuit protection
- Operating temperature -10 to 70 degrees C

**Two High Voltage (120VAC/240 VAC) to Low Voltage 24 VAC Transformer**

**Plug in Transformer—Input 120/240 AC to 24 Volt AC**

**PS1005**
- Compact size, (H 3.35", L 1.88", W 2.50"), UL safety approvals
- Single output 24 volt AC, 0.8 amp (20 A)
- Output connection two terminal connections
- Operating temperature 0 to 50 degrees C

**One High Voltage (120VAC/240 VAC) to Low Voltage AC Transformer**

**Transformer—Input 120/240 AC to 24 Volt AC**

**PS1009—Stand Alone**
- Compact size, (H 1.437", L 2.375", W 1.437"), UL safety approvals
- Single output 24 volt AC, 0.25 amps (5 VA)
- Output connection two 20 AWG wire nuts
- Operating temperature -10 to 70 degrees C

**PS1010—Wall Mount**
- Compact size, (H 1.437", L 2.375", W 1.437"), UL safety approvals
- Single output 24 volt AC, 0.25 amps (5 VA)
- Output connection two 20 AWG wire nuts
- Operating temperature -10 to 70 degrees C

**Two Low Voltage (24 VAC) to DC Power Supplies**

**PS1006**
- Compact size, (H 0.6", L 4.25", W 0.6")
- Wide input voltage range 16-36 VAC
- Single output 4 volt DC output connection two 20 AWG wire nuts
- Operating temperature -10 to 70 degrees C

**PS1007**
- Compact size (H 0.6", L 4.25", W 0.6")
- Wide input voltage range 16-36 VAC
- Single output 12 volt DC output connection two 20 AWG wire nuts
- Operating temperature -10 to 70 degrees C
TECHNICAL SPECIFICATIONS

Wall Plug

Electrical
- Voltage input 100-132 volts AC 50/60 Hz
- Voltage output 4.5 volts DC
- PS1001 voltage output 9 volts DC at 0.67 amp
- PS1003 voltage output 9 volts DC at 0.67 amp

Physical
- Color black
- Weight/shipping weight <8 oz/1.0 lbs

Warranty
- Two Years

24V Transformer

Electrical
- Voltage input 110-240 volts AC 50/60 Hz
- Voltage output 24 volts AC at 0.25 amps (5 VA)

Physical
- (H x W x D) 1.437 x 2.375 x 1.437 inches
- Color gray
- Weight/shipping weight <8 oz/1.0 lbs

Warranty
- Two Years

ORDERING INFORMATION 9/2015

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<tr>
<th>Model</th>
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<td>PS1000</td>
<td>Terminal block—120/240 VAC to 12 VDC, 0.42 amp</td>
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<tr>
<td>PS1001</td>
<td>Wall plug—120/240 VAC to 9 VDC, 0.67 amp</td>
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<tr>
<td>PS1003</td>
<td>Wall plug—120/240 VAC to 4.5 VDC, 0.67 amp</td>
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<tr>
<td>PS1005</td>
<td>Wall plug—120/240 VAC to 24 VAC 0.8 amp</td>
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<td>PS1006</td>
<td>Low Voltage—24 VAC to 4.0 VDC, 250 ma</td>
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<tr>
<td>PS1007</td>
<td>Low Voltage—24 VAC to 12 VDC, 240 ma</td>
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<tr>
<td>PS1008-5</td>
<td>Junction box—120/240 VAC to 5 volts</td>
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<tr>
<td>PS1008-12</td>
<td>Junction box—120/240 VAC to 12 VDC</td>
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<td>PS1009</td>
<td>Transformer &amp; housing—120/240 VAC to 24 VAC</td>
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<tr>
<td>PS1009-T</td>
<td>Transformer—120/240 VAC to 24 VAC</td>
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<tr>
<td>PS1010</td>
<td>Transformer—120/240 VAC to 24 VAC</td>
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