Convel 90000 Series
Chassis Mounting
AC/DC Unregulated Linear Power Supplies

A range of DC power supplies manufactured to a high standard suitable for a wide range of industrial control applications. All models feature detachable terminal covers to provide easy access for connection to the input and output terminals. This cover is recommended to be secured back in position prior to use.

- 12, 24 or 48V DC output
- 120 to 360 Watt
- Suitable for many industrial applications e.g. relays, solenoids, DC motors etc.
- Universal input
- 3.75kV isolation safety transformer
- Quality UK design and manufacture

### GENERAL SPECIFICATIONS

**Input**
115/230VAC 50/60Hz

**D.C. Output**
See Model Chart

**Load Regulation**
20% or 3V whichever is the greater for 20 to 100% load change

**Output Ripple & Noise**
1.5Vrms maximum

**Operating Temperature**
0°C to +40°C

**Isolation**
- Input to ground: 3750VAC min.
- Input to output: 3750VAC min.
- Output to ground: 500VAC min.

**Output overcurrent**
Circuit breakers

<table>
<thead>
<tr>
<th>Model</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>Output Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>91210</td>
<td>12V</td>
<td>10A</td>
<td>120W</td>
</tr>
<tr>
<td>91220</td>
<td>12V</td>
<td>20A</td>
<td>240W</td>
</tr>
<tr>
<td>92405</td>
<td>24V</td>
<td>5A</td>
<td>120W</td>
</tr>
<tr>
<td>92410</td>
<td>24V</td>
<td>10A</td>
<td>240W</td>
</tr>
<tr>
<td>92415</td>
<td>24V</td>
<td>15A</td>
<td>360W</td>
</tr>
<tr>
<td>94805</td>
<td>48V</td>
<td>5A</td>
<td>240W</td>
</tr>
</tbody>
</table>

### MECHANICAL

**Overall Dimensions**
l x w x h: 210 x 152.1 x 140.1mm

**Weight**
- 91210: 3.9kg
- 91220: 5.8kg
- 92405: 3.9kg
- 92410: 5.8kg
- 92415: 7.7kg
- 94805: 5.8kg

**Mechanical Format**
All units are supplied fully enclosed as standard

**Mounting Orientation**
Units may be mounted horizontally as shown on the outline drawing overleaf, or vertically with the cables entering from below.

**Ventilation and Cooling**
Units are convection cooled and therefore require free air flow around the chassis.

**Fixings**
Units have 4 x 5.6mm (0.2in) mounting holes provided

**Connectors**
The following connectors are provided on the power supply: Screw terminals are provided for input and output connections

Input voltage selection is achieved using terminal block links

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OUTLINE DRAWING

All dimensions are nominal and are in mm.