MODEL 505-12 POWER SUPPLY

WIRING DIAGRAM

Input: 120 VAC 60 Hz 1.5 Amps Unswitched

Output: 16 VAC @ 100 VA

AC and battery output relay connections

For Access Control Applications (UL 294) install a Model 307 Tamper Switch.

This area fits approximately two batteries.

Optional DMP Notification Modules. See Figures 1, 2, and 3.

Output Current

<table>
<thead>
<tr>
<th>Output Voltage</th>
<th>Voltage Type</th>
<th>Normal Standby</th>
<th>Standby Battery Min Operating Time</th>
<th>Maximum (Alarm)</th>
<th>Standby Battery Operating Time</th>
<th>Ripple Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 VDC</td>
<td>Direct Current</td>
<td>1.25 Amps</td>
<td>24 Hours</td>
<td>5.0 Amps</td>
<td>5 Minutes</td>
<td>350 mV</td>
</tr>
</tbody>
</table>

Refer to the 505-12 Installation Guide (LT-0453) for complete descriptions of wiring connections and NAC Module information.

Specifications

12 VDC Power Supply 5 Amp Maximum
For UL 603 and UL 294 10.76-12.36 VDC at 1.25 Amps normal standby and 5 Amps alarm

Note: Not intended to provide power for sounding devices in UL 609 Local Burglar System

Secondary Power Supply

1.5 Amps maximum charge current. Use only 12 VDC batteries. Replace every 3-5 years. Refer to LT-0453 for installation details.

Power Limited

All circuits in the Model 505 comply with the requirements for inherent power limitation and are Class 2 with exception of the red battery wire.

NFPA

This equipment should be installed in accordance with the Standard Fire-Protective Signaling Service (National Fire Protection Association, Batterymarch Park, Quincy MA 02269)

Certifications

UL 1481 Power Supplies for Fire Protective Signaling Systems
UL 603 Power Supplies for Burglary Alarm Systems
UL 294 Power Supplies for Access Control System Units

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