Model 505-12 Wiring Diagram

Refer to 505-12 Installation Guide (LT-0453) for a complete description of wiring connections.

Specifications

12 VDC Power Supply 5 Amp Maximum. See Table below for data.
For UL 603 Power Supplies for Burglary Alarm Systems and
UL 294 Power Supplies for Access Control System application the range is:
10.76 to 12.36 VDC at 1.25 Amps normal standby and 5 Amps alarm.
Not intended to provide power for sounding device in UL 609 Local
Burglar System.

Secondary Power Supply

1.5 Amps maximum charge current. Use only 12 VDC batteries.
Refer to LT-0453 Installation for battery standby times and number of batteries to use. Replace every 3 to 5 years.

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

NFPA

This equipment should be installed in accordance with the Standard NFPA 72
Fire-Protective Signaling Service (National Fire Protection Association,
Batterymarch Park, Quincy, MA 02269).

Power Limited

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

For UL Listed Fire Protective Signaling Systems use only with Model XRs, XR100 Series, XR500 Series, and XR2500F Command Processor™ Panels.
For special applications refer to LT-0453 Installation for a list of compatible fire notification appliances. The following specifications apply:

<table>
<thead>
<tr>
<th>Output Voltage</th>
<th>Voltage Type</th>
<th>Normal Standby</th>
<th>Standby Battery Minimum 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>350mv</td>
</tr>
</tbody>
</table>