5600 POWER SUPPLY BOARD

Switching Module
Converts AC to 12VDC or 24VDC.
12V Module # 500208
24V Module # 500209

Output Fuse
12Amp @ 12VDC
6Amp @ 24VDC

LED Power indicator

Primary Fuse
5Amp 3AG Slo-Blo

PC (Power Cord)
Option Prewired
6’ long

FAC Option

FAC Terminals
See Page #2

BBU Output Fuse
12 Amp 3 AG Slo Blo @ 12VDC
6 Amp 3 AG Slo Blo @ 24VDC

BBU (Battery Back-Up)
Option

5600 ENCLOSURE

Enclosure Options:
A) KLC, (Key Lock Cover)
B) FACMR, (FAC Manual Reset)
C) ATS, (Anti-Tamper Switch)

Note: ATS Wiring on Page 3.

Output Power
12VDC @ 10 amps.
or
24VDC @ 5 amps.

DB-5 & DB-10
(Distribution Board)
Option connection.

FAC Jumper, Cut if
FAC Module
is installed in field.

Control Board
12V Control board # 500223
24V Control board # 500225

Note: This is not a selectable power supply.
It comes in either 12VDC or 24VDC only.
**FAC Option** (Fire Alarm Control)
Kills all voltage outputs when interfaced with emergency system dry contact.

12V FAC module #500253
24V FAC module #500254

**Typical Application**

Remote Control connector, Refer to Page #1

**FACMR Option** (FAC Manaul Reset)
Opening normally closed contact removes all output power until the normally open reset button is momentarily pressed.

**DB-5 & DB-10 Option** (Distribution Board)
Two size distribution boards (5 or 10 position) are available to provide individually fused output terminals for each lock zone.

**CM Option** (Control Module)
Accepts access/egress control dry contact input. Provides SPDT relay output.

**Access Control Input, Dry Contacts Only.**

**SPDT Dry Contacts**
Rated 2A @ 24V.
CMTD Option (Control Module with Time Delay)
Same as CM Option with Relock Time Delay

A. Access Control Input, Dry Contacts Only.
B. SPDT Dry Contacts Rated 2A @ 24V.

ILB Option (Interlock Logic Board)
Provides Four DPDT Relay Outputs

Common Negative Terminal
Positive Inputs to Energize Relay Coils

Note: Separate ILB user manual shows typical wiring diagrams.

ATS Option (Anti-Tamper Switch)
Contact held open with Enclosure cover closed.
Contact closed with Enclosure cover open.

NOTE: ATS switch contacts rated .25A @ 24V.

Installation Information

<table>
<thead>
<tr>
<th></th>
<th>Single Full Size</th>
<th>Double Full Size</th>
<th>Single</th>
<th>Double</th>
<th>Single Delay Egress</th>
<th>Deadbolt</th>
</tr>
</thead>
<tbody>
<tr>
<td>12VDC</td>
<td>18</td>
<td>9</td>
<td>18</td>
<td>9</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>24VDC</td>
<td>18</td>
<td>9</td>
<td>18</td>
<td>9</td>
<td>8</td>
<td>9</td>
</tr>
</tbody>
</table>

CURRENT DRAW UP TO 1/2 AMP

<table>
<thead>
<tr>
<th>Voltage</th>
<th>20 AWG</th>
<th>18 AWG</th>
<th>16 AWG</th>
<th>14 AWG</th>
<th>12 AWG</th>
<th>10 AWG</th>
</tr>
</thead>
<tbody>
<tr>
<td>12VDC</td>
<td>50Ft.</td>
<td>100Ft.</td>
<td>150Ft.</td>
<td>250Ft.</td>
<td>400Ft.</td>
<td>625Ft.</td>
</tr>
<tr>
<td>24VDC</td>
<td>150Ft.</td>
<td>225Ft.</td>
<td>350Ft.</td>
<td>550Ft.</td>
<td>900Ft.</td>
<td>1375Ft.</td>
</tr>
</tbody>
</table>

*This chart indicates minimum recommended wire size, but local codes prevail*
TYPICAL APPLICATION

A Normally-closed dry contact from Fire Alarm Control panel (By others).
B Fail Safe locking device.
C Fail Secure locking device.
D Normally closed access/egress controls.
E Normally open access/egress controls.

TROUBLESHOOTING

No Output Power @ A

1. Check input line power.
2. Check line fuse.
3. Check For 12 or 24 VDC from Switcher.
4. Check F2 & F3 output fuses.
5a. Check that FAC Module is properly seated. (If applicable)
5b. Terminals 1 & 2 must be jumpered if unit has FAC Module.

No Output @ B

6. Check jumper settings on CM/CMTD module (If applicable).
7. Check jumper setting on DB-5/DB-10 card.
8. Check for proper access switch contact status.
10. Reset Power Supply (With no load) by disconnecting input power at 1 for 2 minutes.

Note: Start at ‘No Output Power @ A’