TYPICAL APPLICATION

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

TROUBLESHOOTING

1. No Output Power @ A
   - Check input line power.
   - Check line fuse.
2. No Output Power @ B
   - Check jumper settings on CM/CMTD module (if applicable).
   - Check jumper settings on DB-5/DB-10 card.
   - Check for proper access switch contact status.
   - Check load & external wiring for short condition.
   - Reset Power Supply (With no load) by disconnecting input power at ① for 2 minutes.

Note: Start at 'No Output Power @ A'

- Check FAC (If applicable) terminals 1 & 2 must be wired to N/C contact.
- FAC Option
  - Cut if FAC Module is installed in field
- Primary Fuse
  - 1 Amp Slow Blow
- PC (Power Cord) Option
  - Prewired 6' long
- Output Power
  - Switchable from 12VDC & 2 amps.
- 24VDC @ 2 amps.

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

Note: ATS Wiring on Page 3.
**FAC Option (Fire Alarm Control)**
Kills all voltage outputs when interfaced with emergency system dry contact.

**Typical Application**
![Typical Application Diagram](image)

Module supplied with jumper on terminals 1 & 2 as shown.

**FACMR Option (FAC Manual 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.

**DC Input from Power Supply Main Board**
![DC Input Diagram](image)

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

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

**FAC Option (Fire Alarm Control)**
Kills all voltage outputs when interfaced with emergency system dry contact.

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![Typical Application Diagram](image)

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Accepts access/egress control dry contact input. Provides SPDT relay output.

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

---

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

**Contact**
- Common Negative Terminal
- Positive Inputs to Energize Relay Coils

**Note:** Separate ILB user manual shows typical wiring diagrams.

**Installation Information**

**LOCK CAPACITY CHART**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Single Egress</th>
<th>Double Egress</th>
<th>Single Delay</th>
<th>Deadbolt</th>
</tr>
</thead>
<tbody>
<tr>
<td>12VDC</td>
<td>6</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>24VDC</td>
<td>8</td>
<td>4</td>
<td>3</td>
<td>4</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>50FL</td>
<td>100FL</td>
<td>150FL</td>
<td>250FL</td>
<td>400FL</td>
<td>750FL</td>
</tr>
<tr>
<td>24VDC</td>
<td>100FL</td>
<td>200FL</td>
<td>300FL</td>
<td>500FL</td>
<td>750FL</td>
<td>1500FL</td>
</tr>
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</table>

*This chart indicates minimum recommended wire size, but local codes prevail*
MODEL #5500
POWER SUPPLY
INSTALLATION INSTRUCTIONS

FAC Option (Fire Alarm Control)
Kills all voltage outputs when interfaced with emergency system dry contact.

Typical Application

FACMR Option (FAC Manual 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.

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

Common Negative Terminal
Positive Inputs to Energize Relay Coils

Note: Separate user manual shows typical wiring diagrams.

Installation Information

FACMR Option (FAC Manual Reset)
Adjustable for 1-80 Second delay on relock time.

ATS Option (Anti-Tamper Switch)
Rated .25A @ 24V.

ATS switch contacts rated .25A @ 24V.

Current Draw Up to 1/2 Amp

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Model #5500
POWER SUPPLY
INSTALLATION INSTRUCTIONS

CM Option (Control Module with Time Delay)
Same as CM Option with Relock Time Delay

ATS Option (Anti-Tamper Switch)
Access Control Input, Dry Contacts Only.
SPDT Dry Contacts Rated 2A @ 24V.

ATS switch contacts rated 2A @ 24V.

*Resettable Fuse

*Resetting is done by first correcting the overload then disconnecting the load or turning off the line voltage for two minutes.

FAC Option (Fire Alarm Control)
Kills all voltage outputs when interfaced with emergency system dry contact.

Module supplied with jumper on terminals 1 & 2 as shown.

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.

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

Note: Separate user manual shows typical wiring diagrams.

Installation Information

FACMR Option (FAC Manual Reset)
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*This chart indicates minimum recommended wire size, but local codes prevail.
**TYPICAL APPLICATION**

1. Normally-closed dry contact from Fire Alarm Control panel (By others).
2. Fail Safe locking device.
3. Normally closed access/egress controls.
4. Normally open access/egress controls.

**TROUBLESHOOTING**

1. Check input line power.
2. Check line fuse.
3. Check F2 & F3 output fuses.
4. Check FAC (If applicable) terminals 1 & 2 must be wired to N/C contact.

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**5500 POWER SUPPLY BOARD**

- **Primary Fuse**
  - 1 Amp Slow Blow

- **PC (Power Cord) Option**
  - Prewired 6' long

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

- **Output Power**
  - Switchable from 12VDC @ 3 amps.
  - 24VDC @ 2 amps.

- **DBU (Battery Back-Up) Option**
  - 12V DBU1-4 or DBU2-7
  - 24V DBU2-7 or DBU2-T

- **FAC Jumper**
  - Cut if FAC Module is installed in field

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**Model #5500**

**POWER SUPPLY**

**INSTALLATION INSTRUCTIONS**

DynaLock
705 Emmett Street  Bristol, CT 06011-2728
Phone:(860) 582-4761  Fax:(860) 585-0338