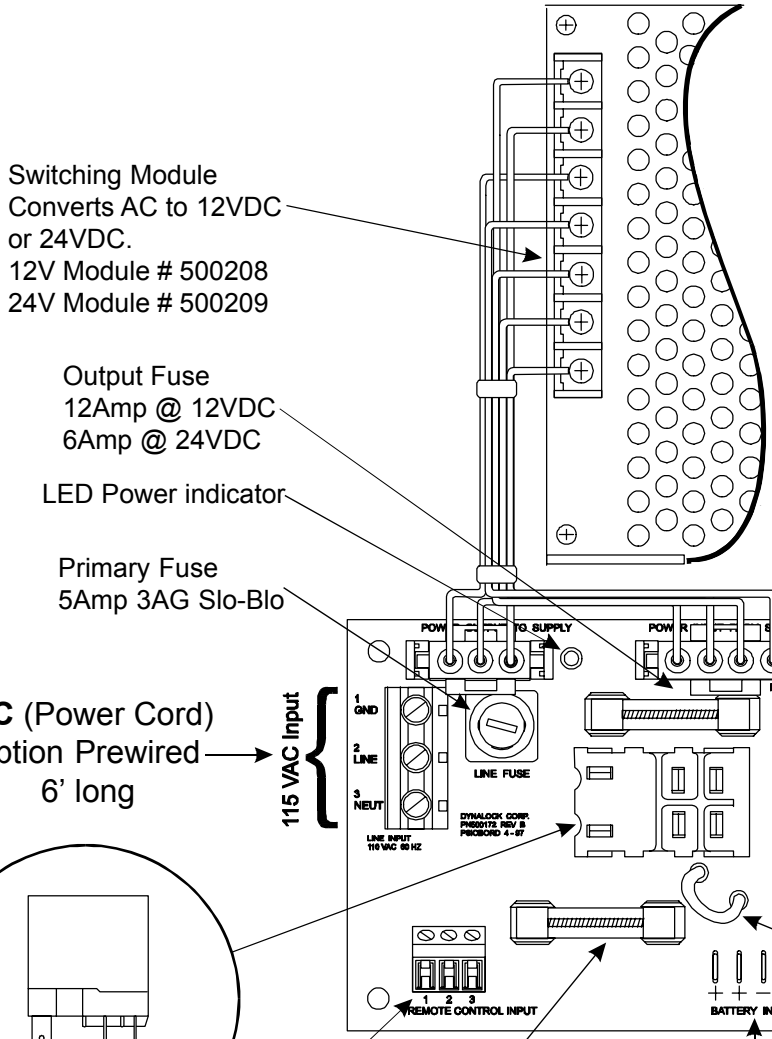
DynaLock
705 Emmett Street Bristol, CT 06011-2728
Phone:(860) 582-4761 • Fax:(860) 585-0338

MODEL #5600 POWER SUPPLY

INSTALLATION INSTRUCTIONS

5600 POWER SUPPLY BOARD



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

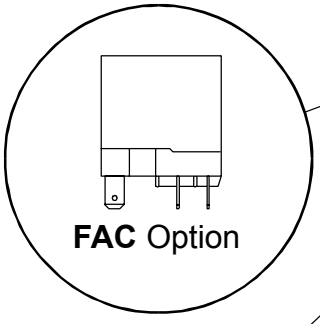
Output Fuse
12Amp @ 12VDC
6Amp @ 24VDC

LED Power indicator

Primary Fuse
5Amp 3AG Slo-Blo

PC (Power Cord) Option Prewired 6' long

Output Power
12VDC @ 10 amps.
or
24VDC @ 5 amps.
DB-5 & DB- 10
(Distribution Board)
Option connection.

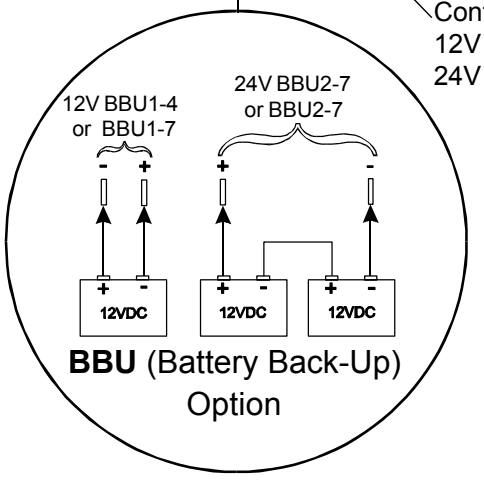


FAC Option

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

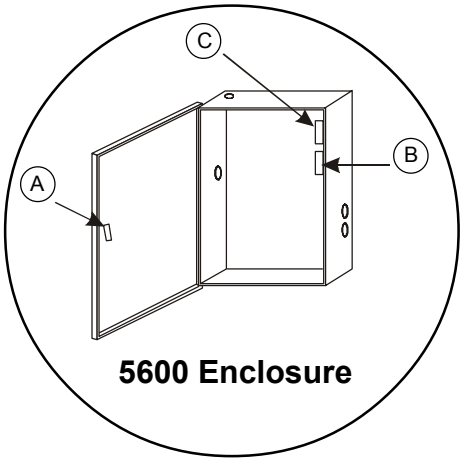
Control Board
12V Control board # 500223
24V Control board # 500225

FAC Terminals
See Page #2



BBU (Battery Back-Up) Option

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



5600 Enclosure

Enclosure Options:

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

Note: ATS Wiring on Page 3.

Note: This is not a selectable power supply. It comes in either 12VDC or 24VDC only.

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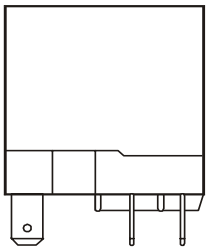
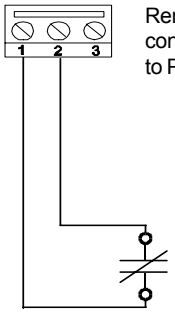
FAC Option (Fire Alarm Control)

Kills all voltage outputs when interfaced with emergency system dry contact.



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

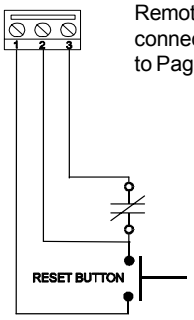
Typical Application



Remote Control connector, Refer to Page #1

Normally-Closed Dry Contact from Fire Alarm Control Panel (By others). Cut Main Board Jumper when field installed. Refer to Page #1 (FAC Jumper).

FACMR Option (FAC Manaul Reset)

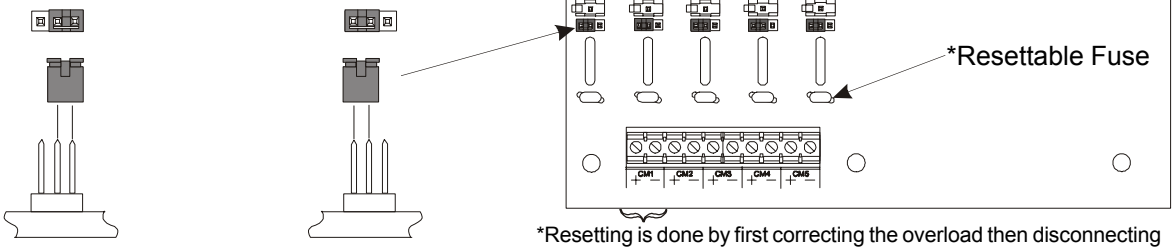


Remote Control connector, Refer to Page #1

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.



Without Control Module Option (Factory Setting)

With Control Module

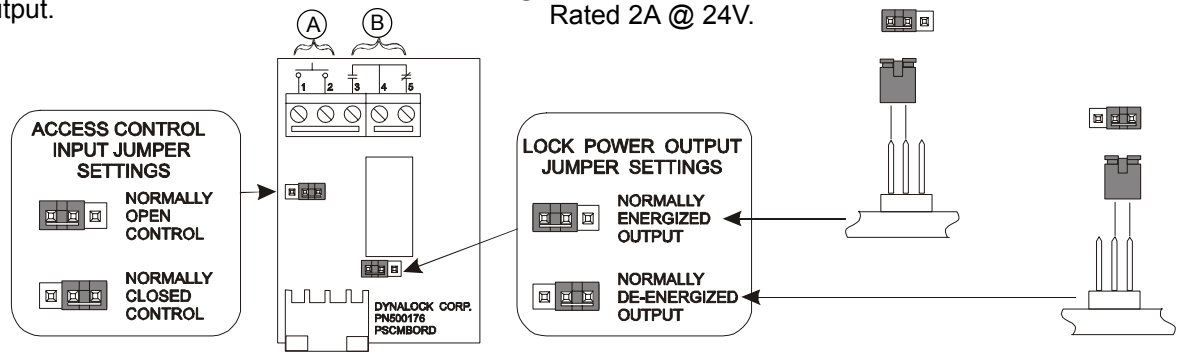
*Resetting is done by first correcting the overload then disconnecting the load or turning off the line voltage for two minutes.

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.



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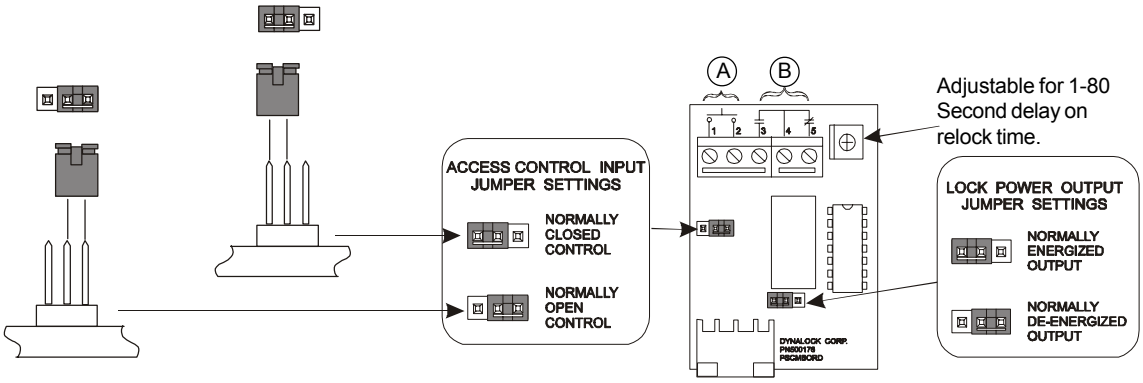
INSTALLATION INSTRUCTIONS

CMTD Option (Control Module with Time Delay)

Same as CM Option with Relock Time Delay

Ⓐ Access Control Input, Dry Contacts Only.

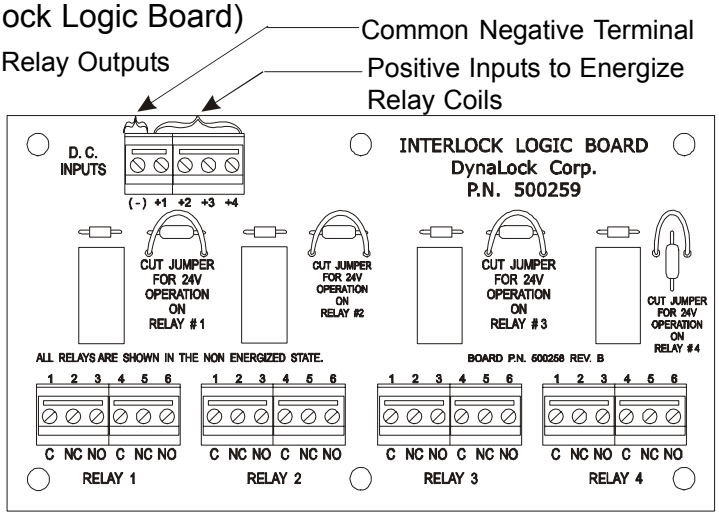
Ⓑ SPDT Dry Contacts Rated 2A @ 24V.



ILB Option (Interlock Logic Board)

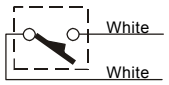
Provides Four DPDT Relay Outputs

Note: Separate ILB user manual shows typical wiring diagrams.

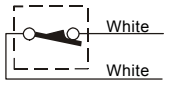


ATS Option (Anti-Tamper Switch)

Contact held open with Enclosure cover closed.



Contact closed with Enclosure cover open.



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

Installation Information

LOCK CAPACITY CHART

	Single Full Size	Double Full Size	Single	Double	Single Delay Egress	Deadbolt
12VDC	18	9	18	9	11	10
24VDC	18	9	18	9	8	9

CURRENT DRAW UP TO 1/2 AMP

Voltage	20 AWG	18 AWG	16 AWG	14 AWG	12 AWG	10 AWG
12VDC	50Ft.	100Ft.	150Ft.	250Ft.	400Ft.	625Ft.
24VDC	150Ft.	225Ft.	350Ft.	550Ft.	900Ft.	1375Ft.

*This chart indicatess minimum recommended wire size, but local codes prevail

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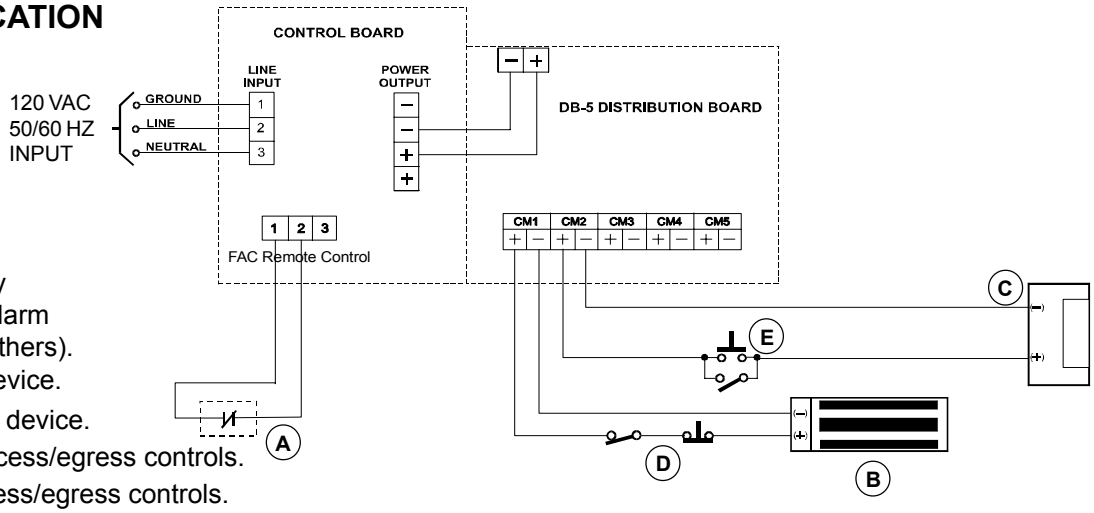
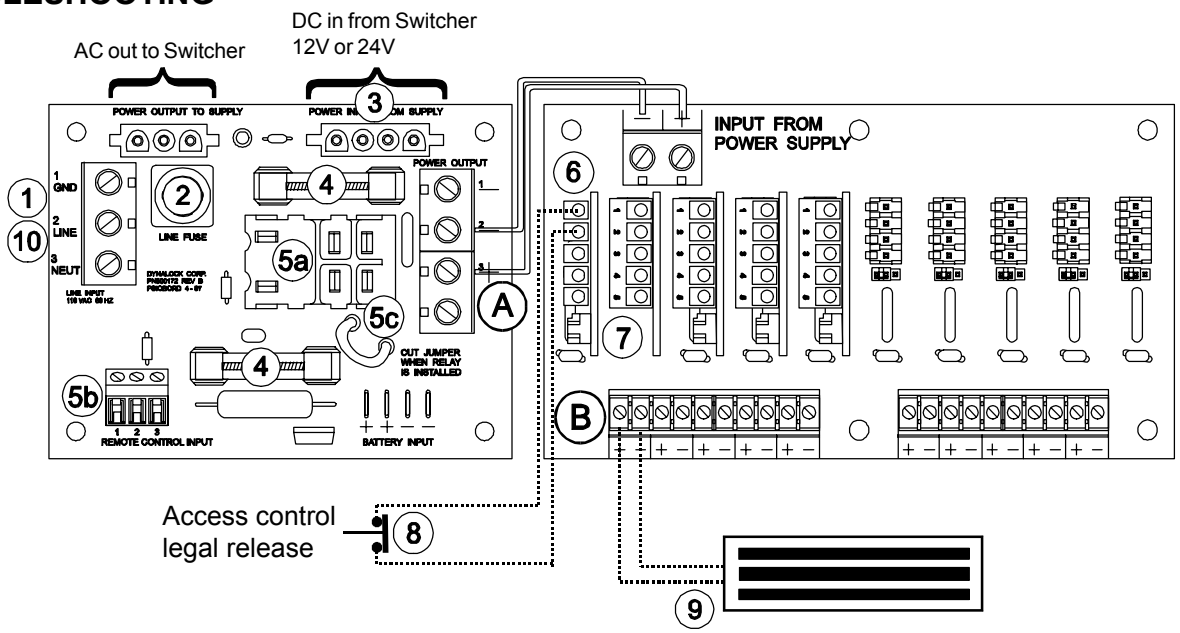
TYPICAL APPLICATION



(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
(4) Switcher.
(5a) Check F2 & F3 output fuses.
Check that FAC Module is properly
(5b) seated. (If applicable)
Terminals 1 & 2 must be jumpered if
(5c) unit has FAC Module.

No Output @ (B)

Note: Start at '**No Output Power @** (A)
(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.
(9) Check load & external wiring for short condition.
(10) Reset Power Supply (With no load) by disconnecting input power at (1) for 2 minutes.