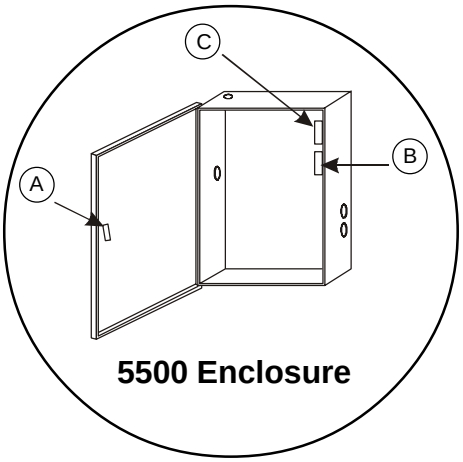
DynaLock
705 Emmett Street Bristol, CT 06011-2728
Phone:(860) 582-4761 • Fax:(860) 585-0338

MODEL #5500 POWER SUPPLY

INSTALLATION INSTRUCTIONS



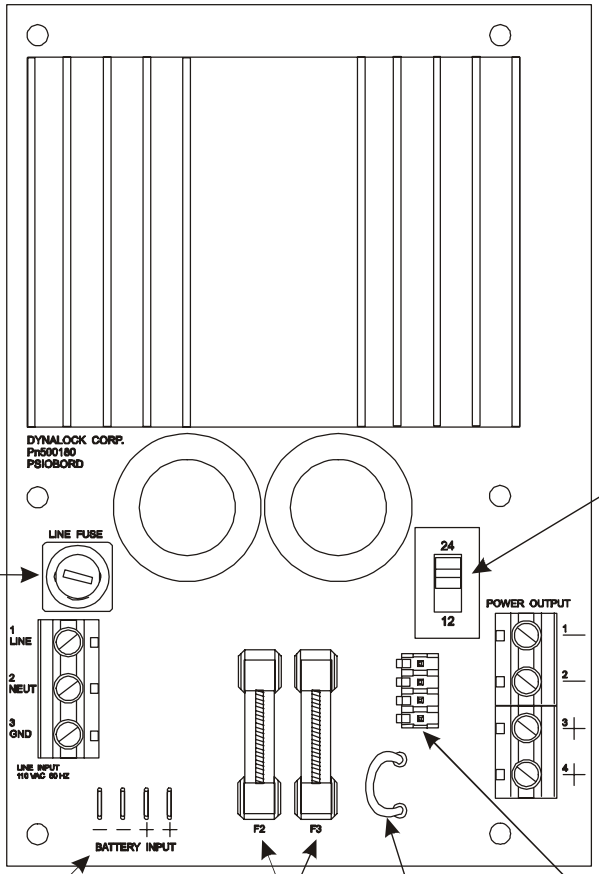
5500 Enclosure

5500 POWER SUPPLY BOARD

Enclosure Options:

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

Note: ATS Wiring on Page 3.



12/24V Selection Switch

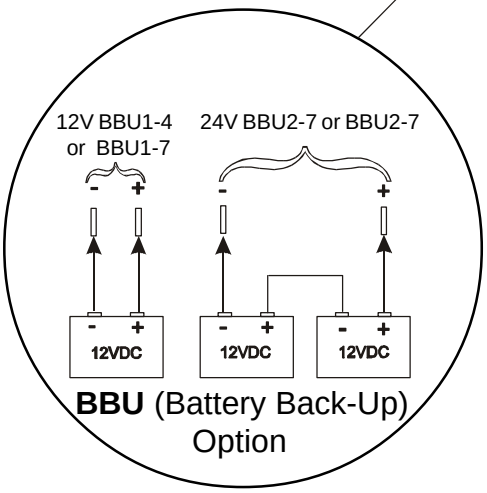
Primary Fuse
1 Amp Slow Blow

115 VAC Input

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

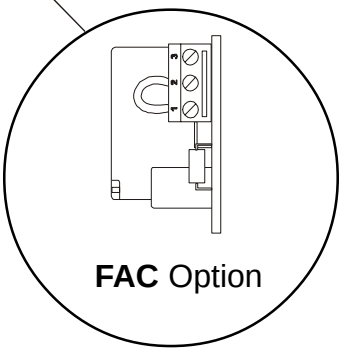
DB-5 & DB- 10
(Distribution Board)
Option connection.

PC (Power Cord) Option
Prewired 6' long



BBU (Battery Back-Up)
Option

Output Fuses
5 Amp slow blow



FAC Option

FAC Jumper
Cut if FAC Module
is installed in field

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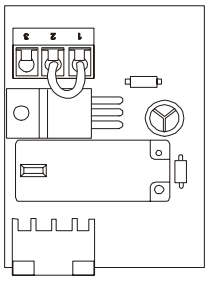
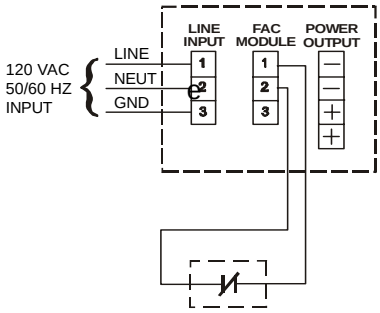
FAC Option (Fire Alarm Control)

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



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

Typical Application



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

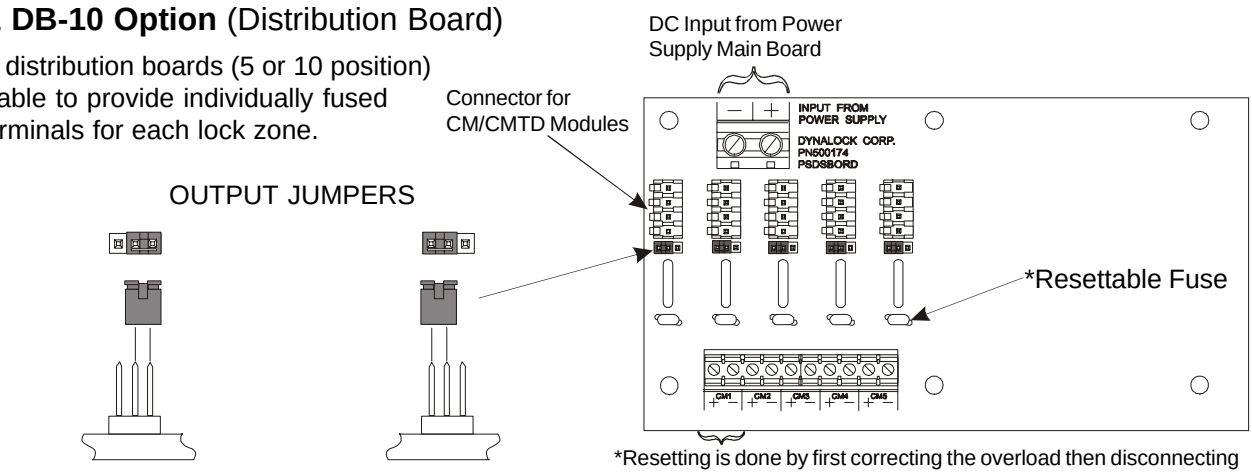
FACMR Option (FAC Manual Reset)

Reset Button

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 Option

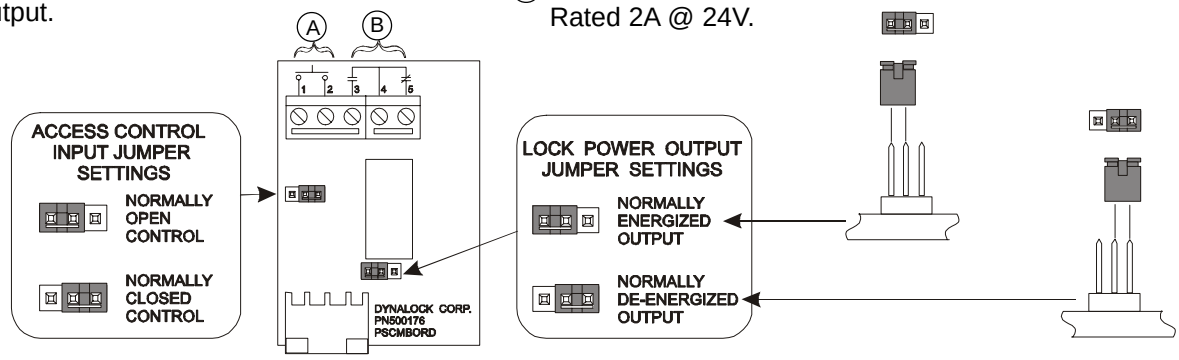
*Resetting is done by first correcting the overload then disconnecting the load or turning off the line voltage for two minutes.

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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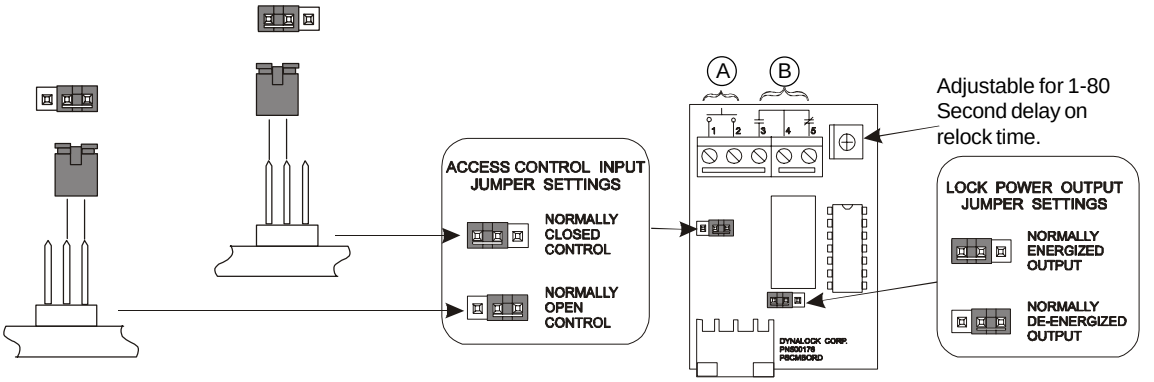
CMTD Option (Control Module with Time Delay)

Same as CM Option with Relock Time Delay

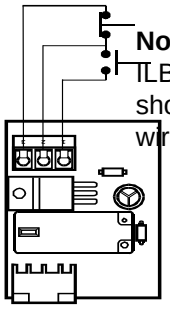
Ⓐ Access Control Input, Dry Contacts Only.

Ⓑ SPDT Dry Contacts Rated 2A @ 24V.

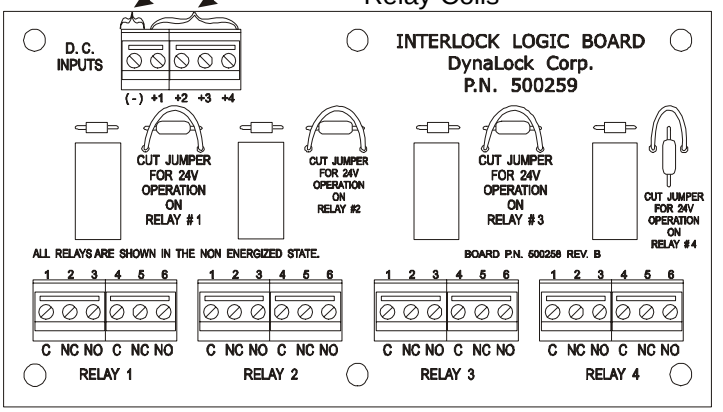


ILB Option (Interlock Logic Board)

Provides Four DPDT Relay Outputs

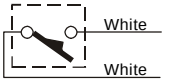


Note: Separate ILB user manual shows typical wiring diagrams.

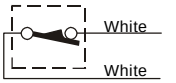


ATS Option
(Anti-Tamper Switch)

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	6	3	6	3	3	3
24VDC	8	4	8	4	3	4

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.	750Ft.
24VDC	100Ft.	200Ft.	300Ft.	500Ft.	750Ft.	1500Ft.

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

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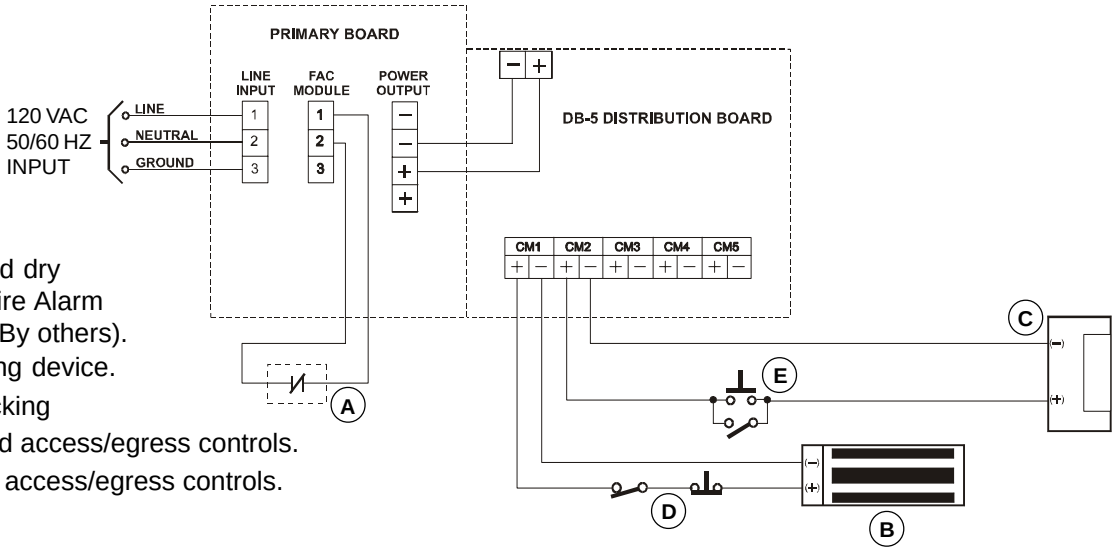
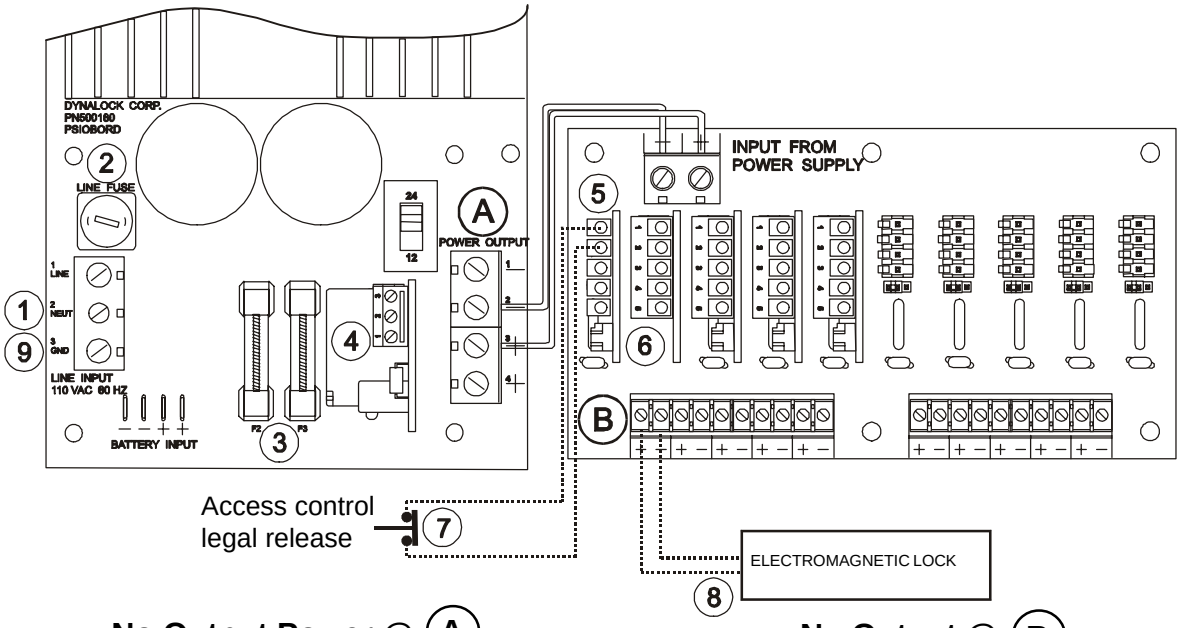
TYPICAL APPLICATION



(A) Normally-closed dry contact from Fire Alarm Control panel (By others).
(B) Fail Safe locking device.
(C) Fail Secure locking
(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 F2 & F3 output fuses.
(4) Check FAC (If applicable) terminals 1 & 2 must be wired to N/C contact.

No Output @ (B)

Note: Start at '**No Output Power** @ (A)

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