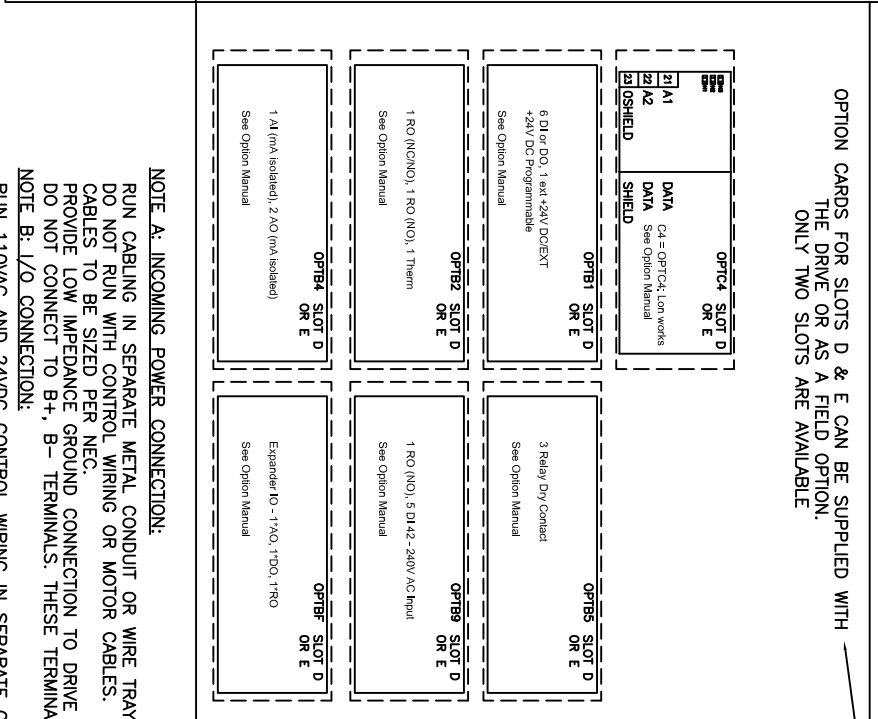
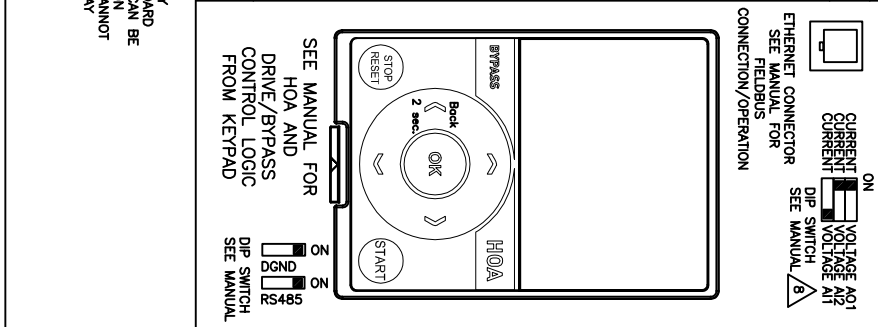


Terminal	Function
1	+10V REFERENCE OUTPUT
2	AI-1+ ANALOG INPUT VOLTAGE (RANGE 0-10 VDC)
3	VIn ANALOG INPUT COMMON
4	AI-2+ ANALOG INPUT CURRENT (RANGE 4-20mA)
5	AI-2- ANALOG INPUT CURRENT (RANGE 4-20mA)
6	24Vout CONTROL VOLTAGE OUTPUT
7	GND I/O GROUND
8	DIN1 START/STOP
9	DIN2 EXTERNAL FAULT
10	DIN3 RUN PERMISSIVE IP INTERLOCK
11	DIN4 DIN1-DING COMMON
12	24Vout CONTROL VOLTAGE OUTPUT
13	GND I/O GROUND
14	DIN4 SPEED SELECT (PROGRAMMABLE 0-100%)
15	DIN5 FIRE MODE
16	DIN6 FORCE BYPASS
17	DIN7 DIN4-DING COMMON
18	AO-1+ OUTPUT FREQUENCY
19	AO-1- ANALOG OUTPUT
30	24VDC AUX INPUT VOLTAGE
A	DATA- RS485 DATA-
B	DATA+ RS485 DATA+



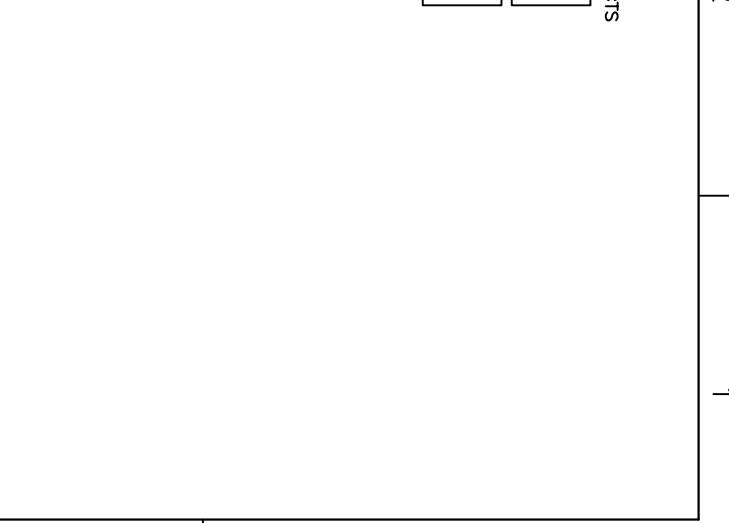
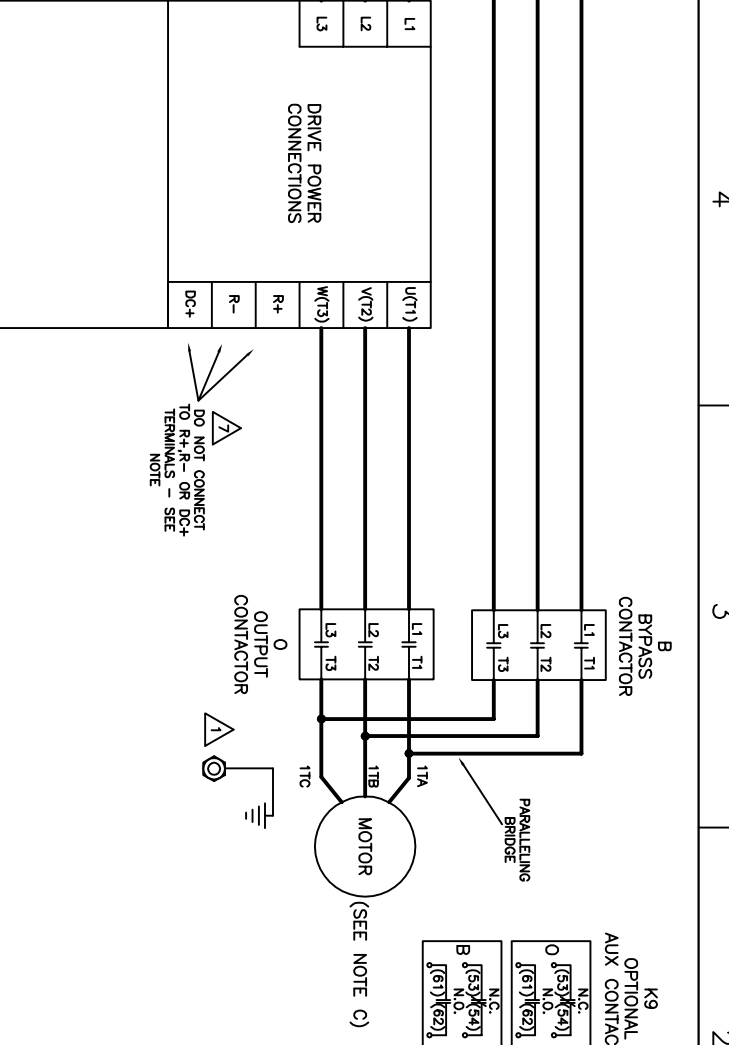
OPTION CARDS FOR SLOTS D & E CAN BE SUPPLIED WITH THE DRIVE OR AS A FIELD OPTION. ONLY TWO SLOTS ARE AVAILABLE.

(SEE NOTE B)

NOTE A: INCOMING POWER CONNECTION:
 RUN CABLING IN SEPARATE METAL CONDUIT OR WIRE TRAY. DO NOT RUN WITH CONTROL WIRING OR MOTOR CABLES. CABLES TO BE SIZED PER NEC. PROVIDE LOW IMPEDANCE GROUND CONNECTION TO DRIVE CHASSIS. DO NOT CONNECT TO B+, B- TERMINALS. THESE TERMINALS ARE USED FOR EXTERNAL BRAKING IF REQUIRED.

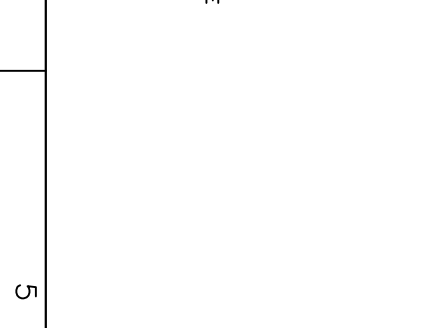
NOTE B: I/O CONNECTION:
 RUN 110VAC AND 24VDC CONTROL WIRING IN SEPARATE CONDUIT. COMMUNICATION WIRE TO BE SHIELDED. KEYPAD CABLE MUST BE LESS THEN 20 FEET.

NOTE C: MOTOR CONNECTION:
 RUN MOTOR CABLES IN SEPARATE METAL CONDUIT OR WIRE TRAY. DO NOT RUN WITH CONTROL WIRING OR POWER CABLES. CABLES TO BE SIZED PER NEC. PROVIDE LOW IMPEDANCE GROUND CONNECTION BETWEEN MOTOR AND DRIVE.

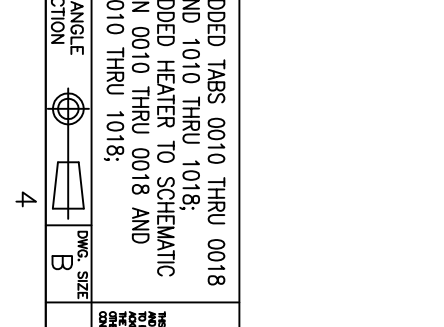


NOTES:

- ENCLOSURE AND MOTOR(S) MUST BE GROUNDED. SEE INSTRUCTION MANUAL.
- JUMPER IS FACTORY INSTALLED TO ENABLE START PERMISSIVE. CAN BE REPLACED WITH N/C CONTACT.
- CLOSE TERMINALS 6 TO 8 OR 8 TO 12 TO START IN AUTO MODE - SEE MANUAL.
- RELAYS SHOWN IN DE-ENERGIZED STATE.
- WHEN PSG60F/PSG120F IS SUPPLIED, L3 WILL BE WIRED TO 1L3.
- ELECTRIC INTERLOCK BY VFD SOFTWARE.
- DO NOT MAKE ANY CONNECTIONS TO DC+, R+, R- TERMINALS. THESE TERMINALS ARE USED FOR OPTIONAL DYNAMIC BRAKING.
- ALTERNATE CONTROL PCB DIP SWITCH CONFIG SHOWN BELOW



TO 24V CONTROL CIRCUIT-ALL FACTORY CONNECTIONS



<p>RELAY BOARD 1 STD. SLOT B</p> <p>RELAY BOARD 2 AS STANDARD BOARD. RELAY BOARD 2 CAN BE SUPPLIED AS OPTION. L4 PILOT LIGHT CANNOT BE USED WITH RELAY BOARD 2</p>		<p>RELAY BOARD 1 STD. SLOT B</p> <p>R01 BYPASS RUN</p> <p>R02 DRIVE RUN</p> <p>R03 DRIVE FAULT</p>	
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RAK	DATE	01/21/13
PJF	DATE	01/21/13
APPD	DATE	01/21/13
PJF	DATE	01/21/13
ECO NUMBER	REVISION	005
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