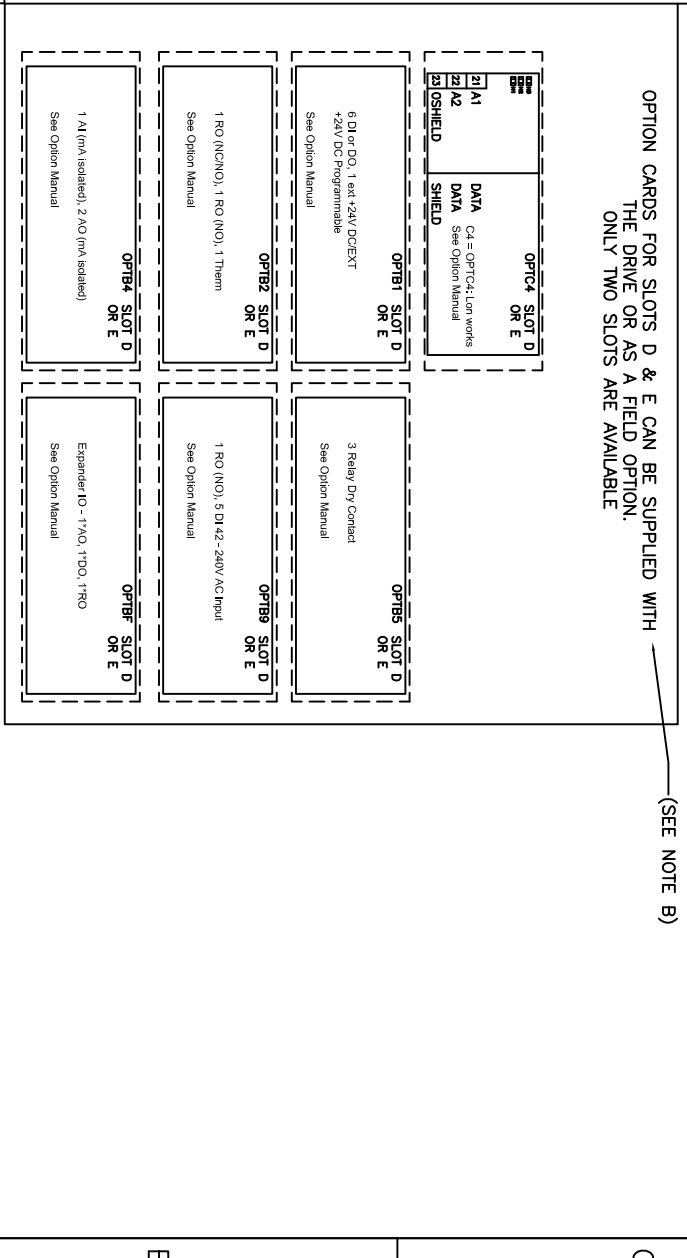
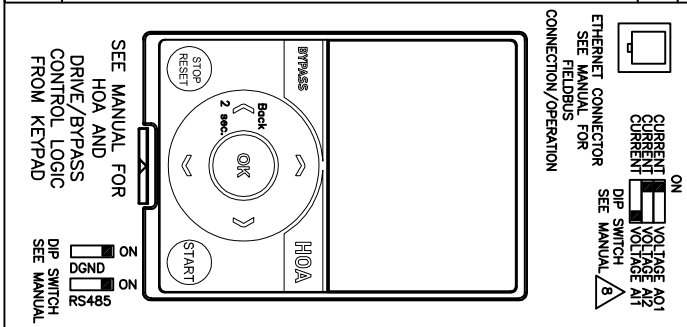


MAIN CONTROL PCB

Terminal	Label	Function
1	+10V	REFERENCE OUTPUT
2	AI-1+	ANALOG INPUT VOLTAGE (RANGE 0-10 VDC)
3	VI	ANALOG INPUT COMMON
4	AI-2+	ANALOG INPUT CURRENT (RANGE 4-20mA)
5	AI-2-	CONTROL VOLTAGE OUTPUT
6	24Vout	I/O GROUND
7	DI-1	START/STOP
8	DI-2	EXTERNAL FAULT
9	DI-3	RUN PERMISSIVE IP INTERLOCK
10	CMA	DNI-1-DING COMMON
11	24Vout	CONTROL VOLTAGE OUTPUT
12	24Vout	I/O GROUND
13	GND	SPEED SELECT (PROGRAMMABLE 0-100%)
14	DI-4	DNS FIRE MODE
15	DI-5	FORCE BYPASS
16	DING	DNI4-DING COMMON
17	CMB	OUTPUT FREQUENCY
18	AO-1+	OUTPUT OUTPUT
19	AO-1-	24VDC AUX INPUT VOLTAGE
30	24VIn	RS485 DATA-
A	DATA-	RS485 DATA-
B	DATA+	RS485 DATA+



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

OPTIONAL AUX CONTACTS

Terminal	Label	Function
11	L1	11A
12	L2	11B
13	L3	11C

DRIVE POWER CONNECTIONS

Terminal	Label	Function
U(T1)	L1	DC+
V(T2)	L2	R-
W(T3)	L3	R+

OPTIONAL AUX CONTACTS

Terminal	Label	Function
0	N.C.	N.C.
1	[63]/[54]	N.C.
2	[61]/[62]	N.C.
3	[63]/[54]	N.O.
4	[61]/[62]	N.O.

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

ADDED TABS 0010 THRU 0018 AND 1010 THRU 1018. ADDED HEATER TO SCHEMATIC ON 0010 THRU 0018 AND 1010 THRU 1018.

THIRD ANGLE PROJECTION

DWG. SIZE B

FILE TYPE AutocAD

DWG. FILENAME .285447.DWG

ECO NUMBER ECO-041338

REVISION 005

DATE 01/21/13

DATE 01/21/13

PRODUCT HMAX INTELLIPASS

G.O. NUMBER

DWG NO. 285447-0011

DWG TYPE SCHEMATIC

DR RAK

DATE 01/21/13

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