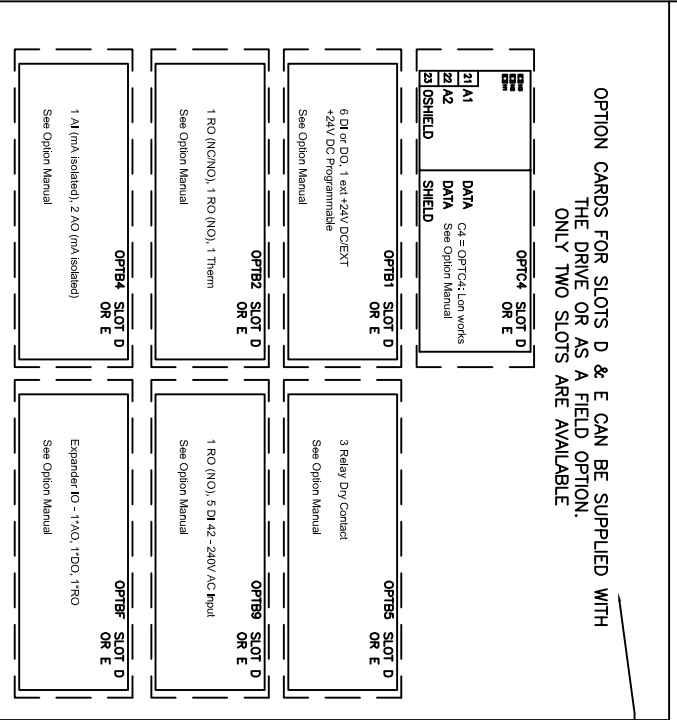
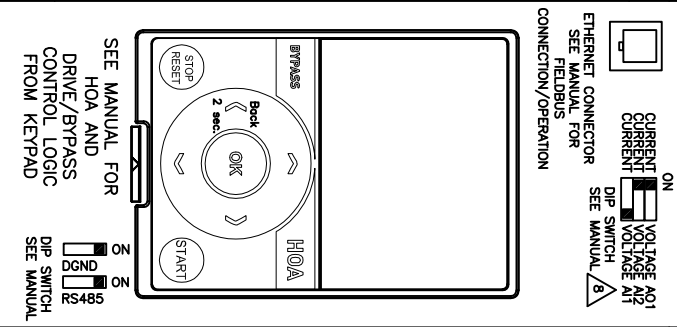


MAIN CONTROL PCB	
1	+10V REFERENCE OUTPUT
2	AI-1+ ANALOG INPUT VOLTAGE (RANGE 0-10 VDC)
3	VI ANALOG INPUT COMMON
4	AI-2+ ANALOG INPUT CURRENT (RANGE 4-20mA)
5	AI-2- CONTROL VOLTAGE OUTPUT
6	24Vout
7	GND I/O GROUND
8	DI1 START/STOP
9	DI2 EXTERNAL FAULT
10	DI3 RUN PERMISSIVE IP INTERLOCK
11	DI4 DI1-DI6 COMMON
12	24Vout CONTROL VOLTAGE OUTPUT
13	GND I/O GROUND
14	DI4 SPEED SELECT (PROGRAMMABLE 0-100%)
15	DI5 FIRE MODE
16	DI6 FORCE BYPASS
17	DI7 DI4-DI6 COMMON
18	AO-1+ OUTPUT FREQUENCY
19	AO-1- ANALOG OUTPUT
30	24VIN 24VDC AUX INPUT VOLTAGE
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.

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



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.

OPTION CODE: SA

ADDED TABS 0009 THRU 0016 AND 1009 THRU 1016; ADDED HEATER TO SCHEMATIC ON TABS 0009 THRU 0016 AND 1009 THRU 1016;

DR	DATE	TITLE
RAK	01/21/13	HMAX FRAME SIZES 4-7
OKD	DATE	INTELLIDISCONNECT
PJF	01/21/13	
APJD	DATE	PRODUCT
PJF	01/21/13	HMAX
ECO NUMBER	REVISION	G.O. NUMBER
ECO-041338	004	
FILE TYPE	.DWG FILENAME	DWG NO.
AutocAD	285446.DWG	285446-0009
DWG. SIZE		DWG TYPE
B		SCHEMATIC
THIRD ANGLE PROJECTION		SHEET
		1 OF 1