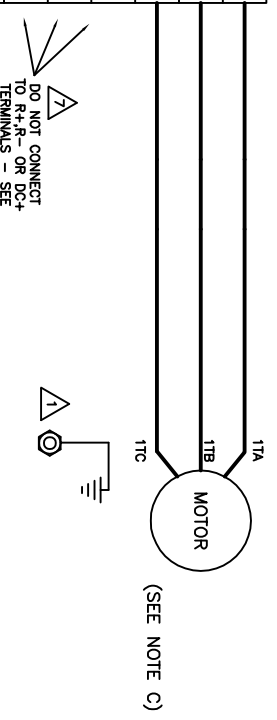
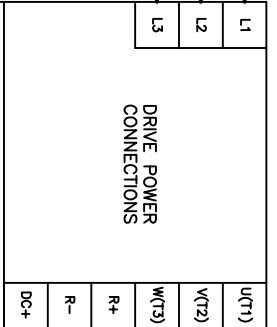
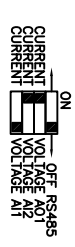


- NOTES:
- 1 ENCLOSURE AND MOTOR(S) MUST BE GROUNDED. SEE INSTRUCTION MANUAL.
 - 2 JUMPER IS FACTORY INSTALLED TO ENABLE START PERMISSIVE. CAN BE REPLACED WITH N/C CONTACT.
 - 3 CLOSE TERMINALS 6 TO 8 OR 8 TO 12 TO START IN AUTO MODE - SEE MANUAL.
 - 4 RELAYS SHOWN IN DE-ENERGIZED STATE.

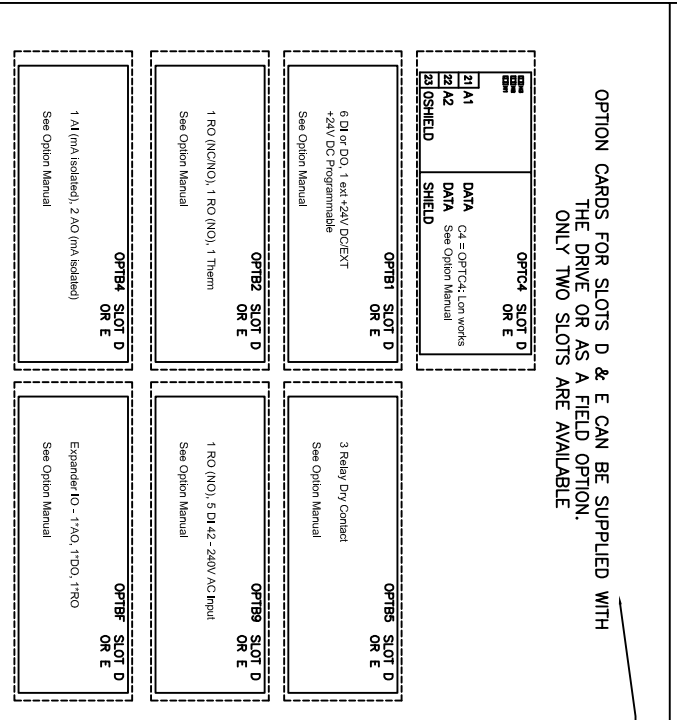
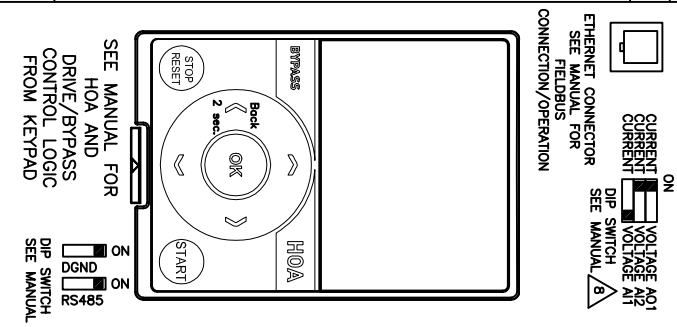
DO NOT MAKE ANY CONNECTIONS TO DC+, R+, R- TERMINALS, THESE TERMINALS ARE USED FOR OPTIONAL DYNAMIC BRAKING

ALTERNATE CONTROL PCB DIP SWITCH CONFIG SHOWN BELOW



DO NOT CONNECT TO R+, R- OR DC+ TERMINALS - SEE NOTE

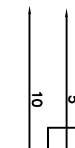
MAIN CONTROL PCB	
1	+10V REFERENCE OUTPUT
2	AI-1+ ANALOG INPUT VOLTAGE (RANGE 0-10 VDC)
3	Vin ANALOG INPUT COMMON
4	AI-2+ ANALOG INPUT CURRENT (RANGE 4-20mA)
5	AI-2- ANALOG INPUT COMMON
6	24Vout CONTROL VOLTAGE OUTPUT
7	GND I/O GROUND
8	DN1 START/STOP
9	DN2 EXTERNAL FAULT
10	DN3 RUN PERMISSIVE IP INTERLOCK
11	CM1 DN1-DN6 COMMON
12	24Vout CONTROL VOLTAGE OUTPUT
13	GND I/O GROUND
14	DN4 SPEED SELECT (PROGRAMMABLE 0-100%)
15	DN5 FIRE MODE
16	DN6 FORCE BYPASS
17	CM2 DN4-DN6 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+



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)

TO 24V CONTROL FACTORY CONNECTIONS



RELAY BOARD 1 STD. SLOT B	
21	RO1 BYPASS RUN
22	RO2 DRIVE RUN
23	RO3 DRIVE FAULT

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: P3 L3

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

AutocAD
285446.DWG

DR	DATE	TITLE
RKK	01/21/13	HMAX FRAME SIZES 4-7
PJF	01/21/13	INTELLIDISCONNECT

ECO NUMBER	REVISION	G.O. NUMBER	DWG NO.	DWG TYPE	SHEET
ECO-041338	004		285446-0004	SCHEMATIC	1 OF 1