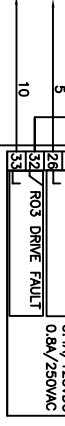
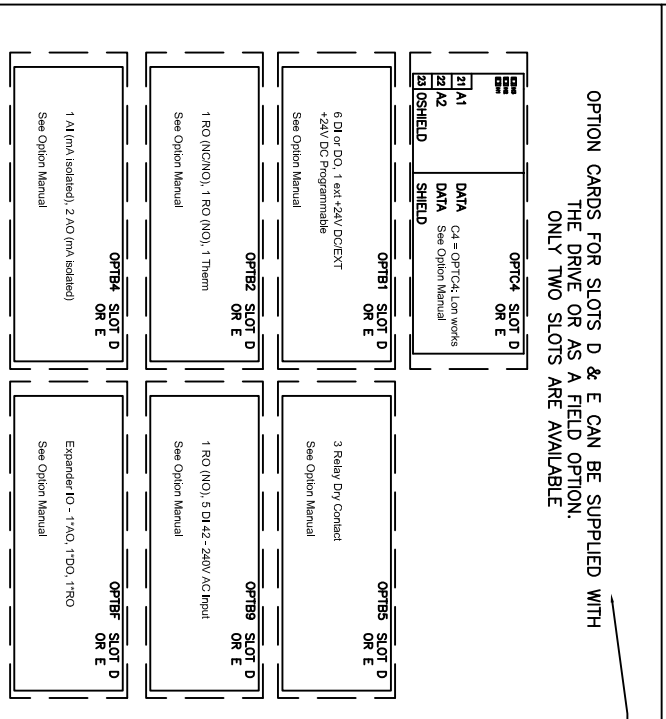
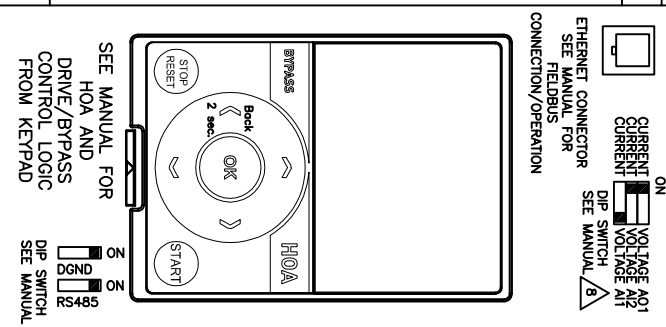
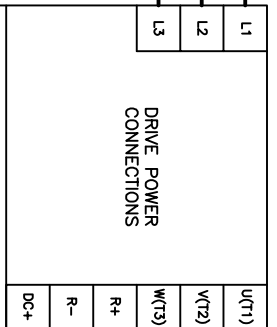


- NOTES:
- 1 ENCLOSURE AND MOTOR(S) MUST BE GROUNDED. SEE INSTRUCTION MANUAL.
 - 2 JUMPER IS FACTORY INSTALLED TO ENABLE START. PERMISSIVE CAN BE REPLACED WITH N/C CONTACT.
 - 3 CLOSE TERMINALS 6 TO 8 OR 8 TO 12 TO START IN AUTO MODE - SEE MANUAL.
 - 4 RELAYS SHOWN IN DE-ENERGIZED STATE.



Terminal	Function
1	+10V REFERENCE OUTPUT
2	A1-1+ ANALOG INPUT VOLTAGE (RANGE 0-10 VDC)
3	Vin ANALOG INPUT COMMON
4	A1-2+ ANALOG INPUT CURRENT (RANGE 4-20mA)
5	A1-2- ANALOG INPUT COMMON
6	24Vout CONTROL VOLTAGE OUTPUT
7	0V GND I/O GROUND
8	DIN1 START/STOP
9	DIN2 EXTERNAL FAULT
10	DIN3 RUN PERMISSIVE IP INTERLOCK
11	CMA DIN1-DIN6 COMMON
12	24Vout CONTROL VOLTAGE OUTPUT
13	0V GND I/O GROUND
14	DIN4 SPEED SELECT (PROGRAMMABLE 0-100%)
15	DIN5 FIRE MODE
16	DIN6 FORCE BYPASS
17	CMB DIN4-DIN6 COMMON
18	AO-1+ OUTPUT FREQUENCY
19	AO-1- ANALOG AUX INPUT VOLTAGE
20	24VIN 24VDC AUX INPUT VOLTAGE
A	DATA- RS485 DATA-
B	DATA+ RS485 DATA+

Terminal	Function
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. PROVIDE LOW IMPEDANCE GROUND CONNECTION BETWEEN MOTOR AND DRIVE.

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

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)

OPTION CODE: P3 L3 SA

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

EATON
 FILE TYPE: AutocAD
 .DWG FILENAME: 2854446.DWG

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

ECO NUMBER: ECO-041338
 REVISION: 004
 G.O. NUMBER: 285446-0012
 DWG NO.: 285446-0012
 SHEET: 1 OF 1