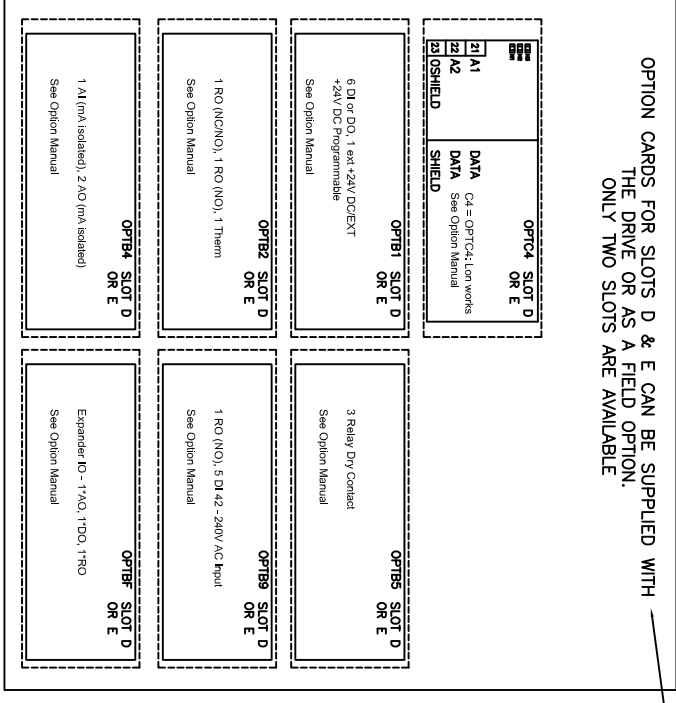
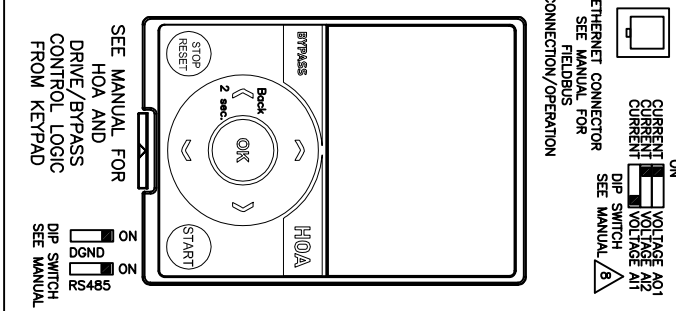
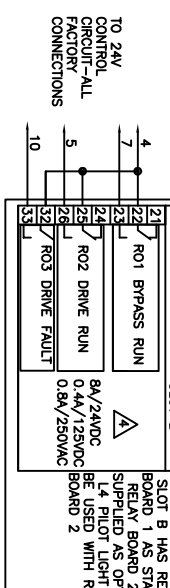


Terminal	Signal	Description
1	+10V	REFERENCE OUTPUT
2	AI-1+	ANALOG INPUT VOLTAGE (RANGE 0-10 VDC)
3	VIn	ANALOG INPUT COMMON
4	AI-2+	ANALOG INPUT CURRENT (RANGE 4-20mA)
5	AI-2-	CONTROL VOLTAGE OUTPUT
6	24Vout	I/O GROUND
7	GND	START/STOP
8	DN1	EXTERNAL FAULT
9	DN2	RUN PERMISSIVE IP INTERLOCK
10	DN3	DN1-DN6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



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.

458-1141 REV. 11/11		8		7		6		5		4		3		2		1	
<p>ADDED TABS 0010 THRU 0018 AND 1010 THRU 1018; ADDED HEATER TO SCHEMATIC ON 0010 THRU 0018 AND 1010 THRU 1018;</p>																	
<p>THIRD ANGLE PROJECTION</p>																	
<p>FILE TYPE: AutoCAD</p>																	
<p>DWG FILENAME: 285447.DWG</p>																	
DR	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	
RAK	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	
APFD	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	01/21/13	
ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	ECO NUMBER	
ECO-041338	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	005	
<p>PRODUCT: HMAX</p>																	
<p>G.O. NUMBER: HMAX</p>																	
<p>DWG NO.: 285447-0003</p>																	
<p>DWG TYPE: SCHEMATIC</p>																	
<p>SHEET: 1 OF 1</p>																	