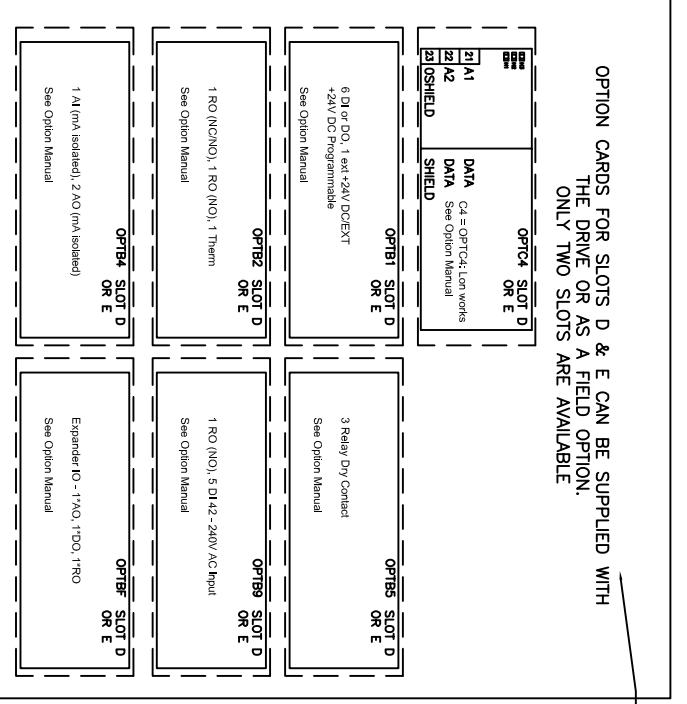
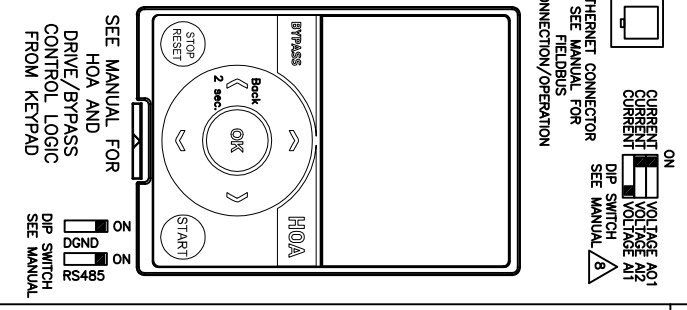


Terminal	Function
1	+10V REFERENCE OUTPUT
2	AI-1+ ANALOG INPUT VOLTAGE (RANGE 0-10 VDC)
3	Vi ANALOG INPUT COMMON
4	AI-2+ ANALOG INPUT CURRENT (RANGE 4-20mA)
5	AI-2- ANALOG INPUT CURRENT (RANGE 4-20mA)
6	24Vout CONTROL VOLTAGE OUTPUT
7	GNd I/O GROUND
8	DIN1 START/STOP
9	DIN2 EXTERNAL FAULT
10	DIN3 RUN PERMISSIVE IP INTERLOCK
11	CI/A DIN1-DIN6 COMMON
12	24Vout CONTROL VOLTAGE OUTPUT
13	GNd I/O GROUND
14	DIN4 SPEED SELECT (PROGRAMMABLE 0-100%)
15	DIN5 FIRE MODE
16	DIN6 FORCE BYPASS
17	CI/B DIN4-DIN6 COMMON
18	AO-1+ OUTPUT FREQUENCY
19	AO-1- ANALOG OUTPUT
20	24VDC 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 PSG120F IS SUPPLIED, L3 WILL BE WIRED TO 1L3.

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

8 ALTERNATE CONTROL PCB DIP SWITCH CONFIG SHOWN BELOW



NOTE A: INCOMING POWER CONNECTION:

RUN CABLES 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: PE SA

<p>ADDED TABS 0009 THRU 0016 AND 1009 THRU 1016: ADDED HEATER TO SCHEMATIC ON TABS 0009 THRU 0016 AND 1009 THRU 1016;</p>		<p>THIRD ANGLE PROJECTION</p>		<p>FILE TYPE: Autocad</p>		<p>DATE: 01/21/13</p>		<p>TITLE: HMAX FRAME SIZES 4-7 INTELLIDISCONNECT</p>	
<p>DWG. SIZE: B</p>		<p>DATE: 01/21/13</p>		<p>DWG. FILENAME: 285446.DWG</p>		<p>DATE: 01/21/13</p>		<p>PRODUCT: HMAX</p>	
<p>DR: RAK</p>		<p>DATE: 01/21/13</p>		<p>ECO NUMBER: 285446.DWG</p>		<p>DATE: 01/21/13</p>		<p>DWG NO.: 285446-0013</p>	
<p>APPD: P/JF</p>		<p>DATE: 01/21/13</p>		<p>ECO NUMBER: ECO-041338</p>		<p>REVISION: 004</p>		<p>DWG TYPE: SCHEMATIC</p>	
<p>DR: RAK</p>		<p>DATE: 01/21/13</p>		<p>ECO NUMBER: ECO-041338</p>		<p>REVISION: 004</p>		<p>SHEET: 1 OF 1</p>	