



**MAIN CONTROL PCB**

**OPTIONAL CARDS FOR SLOTS D & E CAN BE SUPPLIED WITH THE DRIVE OR AS A FIELD OPTION. ONLY TWO SLOTS ARE AVAILABLE.**

|                          |  |                          |   |
|--------------------------|--|--------------------------|---|
| <b>OPT04</b> SLOT D OR E | 6 DI or DO, 1 ext +24V DCEXT +24V DC Programmable<br>See Option Manual | <b>OPT1B</b> SLOT D OR E | 3 Relay Dry Contact<br>See Option Manual              |
| <b>OPT12</b> SLOT D OR E | 1 RO (NCO), 1 RO (NO), 1 Therm<br>See Option Manual                    | <b>OPT1B</b> SLOT D OR E | 1 RO (NO), 5 DI 42-240V AC Input<br>See Option Manual |
| <b>OPT14</b> SLOT D OR E | 1 AI (not isolated), 2 AO (not isolated)<br>See Option Manual          | <b>OPT1B</b> SLOT D OR E | Expander ID-17AO, 17DO, 17RO<br>See Option Manual     |

**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 11.3.

**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: PE L3**

489-1141 REV: 11/11 8 7 6 5 4 3 2 1

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

THIRD ANGLE PROJECTION DWG. SIZE B

**ETON**

FILE TYPE: AutoCAD DWG FILENAME: 285446.DWG ECO NUMBER: ECO-041338 REVISION: 004 G.O. NUMBER: PRODUCT: HMAX INTELLIDISCONNECT

DR: RAK DATE: 01/21/13  
CKD DATE: 01/21/13  
APPD DATE: 01/21/13  
PJF DATE: 01/21/13

TITLE: HMAX FRAME SIZES 4-7 INTELLIDISCONNECT

DWG NO.: 285446-0006 DWG TYPE: SCHEMATIC SHEET: 1 OF 1