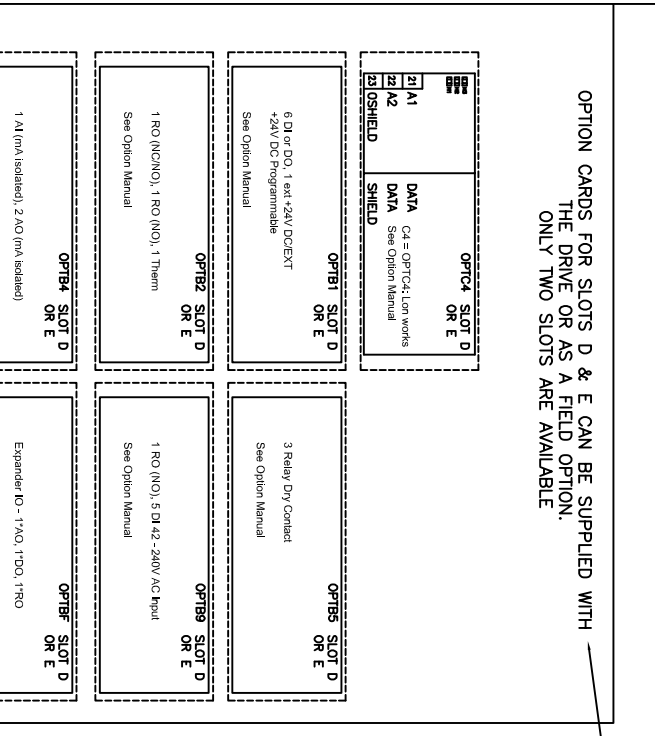
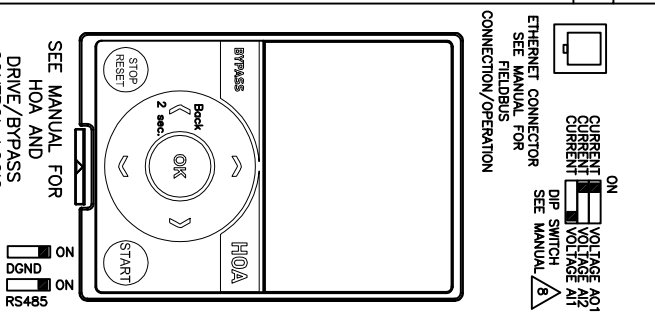
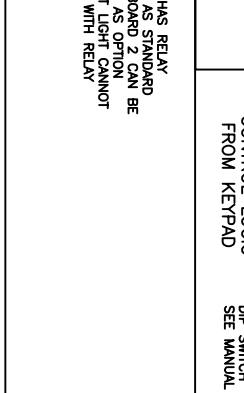
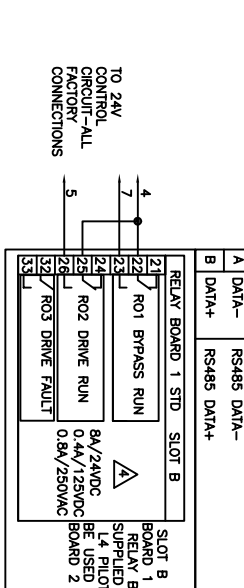


Terminal	Signal	Description
1	+10V	REFERENCE OUTPUT
2	AI-1+	ANALOG INPUT VOLTAGE (RANGE 0-10 VDC)
3	VIn	ANALOG INPUT COMMON
4	AI-2+	ANALOG INPUT CURRENT (RANGE 4-20mA)
5	AI-2-	CONTROL VOLTAGE OUTPUT
6	24Vout	I/O GROUND
7	GND	START/STOP
8	DN1	EXTERNAL FAULT
9	DN2	RUN PERMISSIVE IP INTERLOCK
10	DN3	DN1-DN6 COMMON
11	DN4	DN1-DN6 COMMON
12	24Vout	ANALOG OUTPUT
13	GND	ANALOG OUTPUT
14	DN4	I/O GROUND
15	DN5	SPEED SELECT (PROGRAMMABLE 0-100%)
16	DN6	FIRE MODE
17	DN7	FORCE BYPASS
18	AO-1+	DN4-DN6 COMMON
19	AO-1-	OUTPUT FREQUENCY
20	24VIn	24VDC AUX INPUT VOLTAGE
21	DATA-	RS485 DATA-
22	DATA+	RS485 DATA+
23	RO1	RELAY BOARD 1 STD. SLOT B
24	RO2	RELAY BOARD 2 CAN BE SUPPLIED AS OPTION
25	RO3	RELAY BOARD 3 CAN BE SUPPLIED AS OPTION
26	RO4	RELAY BOARD 4 CAN BE SUPPLIED AS OPTION
27	RO5	RELAY BOARD 5 CAN BE SUPPLIED AS OPTION
28	RO6	RELAY BOARD 6 CAN BE SUPPLIED AS OPTION
29	RO7	RELAY BOARD 7 CAN BE SUPPLIED AS OPTION
30	RO8	RELAY BOARD 8 CAN BE SUPPLIED AS OPTION
31	RO9	RELAY BOARD 9 CAN BE SUPPLIED AS OPTION
32	RO10	RELAY BOARD 10 CAN BE SUPPLIED AS OPTION
33	RO11	RELAY BOARD 11 CAN BE SUPPLIED AS OPTION
34	RO12	RELAY BOARD 12 CAN BE SUPPLIED AS OPTION
35	RO13	RELAY BOARD 13 CAN BE SUPPLIED AS OPTION
36	RO14	RELAY BOARD 14 CAN BE SUPPLIED AS OPTION
37	RO15	RELAY BOARD 15 CAN BE SUPPLIED AS OPTION
38	RO16	RELAY BOARD 16 CAN BE SUPPLIED AS OPTION
39	RO17	RELAY BOARD 17 CAN BE SUPPLIED AS OPTION
40	RO18	RELAY BOARD 18 CAN BE SUPPLIED AS OPTION
41	RO19	RELAY BOARD 19 CAN BE SUPPLIED AS OPTION
42	RO20	RELAY BOARD 20 CAN BE SUPPLIED AS OPTION
43	RO21	RELAY BOARD 21 CAN BE SUPPLIED AS OPTION
44	RO22	RELAY BOARD 22 CAN BE SUPPLIED AS OPTION
45	RO23	RELAY BOARD 23 CAN BE SUPPLIED AS OPTION
46	RO24	RELAY BOARD 24 CAN BE SUPPLIED AS OPTION
47	RO25	RELAY BOARD 25 CAN BE SUPPLIED AS OPTION
48	RO26	RELAY BOARD 26 CAN BE SUPPLIED AS OPTION
49	RO27	RELAY BOARD 27 CAN BE SUPPLIED AS OPTION
50	RO28	RELAY BOARD 28 CAN BE SUPPLIED AS OPTION
51	RO29	RELAY BOARD 29 CAN BE SUPPLIED AS OPTION
52	RO30	RELAY BOARD 30 CAN BE SUPPLIED AS OPTION
53	RO31	RELAY BOARD 31 CAN BE SUPPLIED AS OPTION
54	RO32	RELAY BOARD 32 CAN BE SUPPLIED AS OPTION
55	RO33	RELAY BOARD 33 CAN BE SUPPLIED AS OPTION
56	RO34	RELAY BOARD 34 CAN BE SUPPLIED AS OPTION
57	RO35	RELAY BOARD 35 CAN BE SUPPLIED AS OPTION
58	RO36	RELAY BOARD 36 CAN BE SUPPLIED AS OPTION
59	RO37	RELAY BOARD 37 CAN BE SUPPLIED AS OPTION
60	RO38	RELAY BOARD 38 CAN BE SUPPLIED AS OPTION
61	RO39	RELAY BOARD 39 CAN BE SUPPLIED AS OPTION
62	RO40	RELAY BOARD 40 CAN BE SUPPLIED AS OPTION
63	RO41	RELAY BOARD 41 CAN BE SUPPLIED AS OPTION
64	RO42	RELAY BOARD 42 CAN BE SUPPLIED AS OPTION
65	RO43	RELAY BOARD 43 CAN BE SUPPLIED AS OPTION
66	RO44	RELAY BOARD 44 CAN BE SUPPLIED AS OPTION
67	RO45	RELAY BOARD 45 CAN BE SUPPLIED AS OPTION
68	RO46	RELAY BOARD 46 CAN BE SUPPLIED AS OPTION
69	RO47	RELAY BOARD 47 CAN BE SUPPLIED AS OPTION
70	RO48	RELAY BOARD 48 CAN BE SUPPLIED AS OPTION
71	RO49	RELAY BOARD 49 CAN BE SUPPLIED AS OPTION
72	RO50	RELAY BOARD 50 CAN BE SUPPLIED AS OPTION
73	RO51	RELAY BOARD 51 CAN BE SUPPLIED AS OPTION
74	RO52	RELAY BOARD 52 CAN BE SUPPLIED AS OPTION
75	RO53	RELAY BOARD 53 CAN BE SUPPLIED AS OPTION
76	RO54	RELAY BOARD 54 CAN BE SUPPLIED AS OPTION
77	RO55	RELAY BOARD 55 CAN BE SUPPLIED AS OPTION
78	RO56	RELAY BOARD 56 CAN BE SUPPLIED AS OPTION
79	RO57	RELAY BOARD 57 CAN BE SUPPLIED AS OPTION
80	RO58	RELAY BOARD 58 CAN BE SUPPLIED AS OPTION
81	RO59	RELAY BOARD 59 CAN BE SUPPLIED AS OPTION
82	RO60	RELAY BOARD 60 CAN BE SUPPLIED AS OPTION
83	RO61	RELAY BOARD 61 CAN BE SUPPLIED AS OPTION
84	RO62	RELAY BOARD 62 CAN BE SUPPLIED AS OPTION
85	RO63	RELAY BOARD 63 CAN BE SUPPLIED AS OPTION
86	RO64	RELAY BOARD 64 CAN BE SUPPLIED AS OPTION
87	RO65	RELAY BOARD 65 CAN BE SUPPLIED AS OPTION
88	RO66	RELAY BOARD 66 CAN BE SUPPLIED AS OPTION
89	RO67	RELAY BOARD 67 CAN BE SUPPLIED AS OPTION
90	RO68	RELAY BOARD 68 CAN BE SUPPLIED AS OPTION
91	RO69	RELAY BOARD 69 CAN BE SUPPLIED AS OPTION
92	RO70	RELAY BOARD 70 CAN BE SUPPLIED AS OPTION
93	RO71	RELAY BOARD 71 CAN BE SUPPLIED AS OPTION
94	RO72	RELAY BOARD 72 CAN BE SUPPLIED AS OPTION
95	RO73	RELAY BOARD 73 CAN BE SUPPLIED AS OPTION
96	RO74	RELAY BOARD 74 CAN BE SUPPLIED AS OPTION
97	RO75	RELAY BOARD 75 CAN BE SUPPLIED AS OPTION
98	RO76	RELAY BOARD 76 CAN BE SUPPLIED AS OPTION
99	RO77	RELAY BOARD 77 CAN BE SUPPLIED AS OPTION
100	RO78	RELAY BOARD 78 CAN BE SUPPLIED AS OPTION



- NOTES:
- ENCLOSURE AND MOTOR(S) MUST BE GROUNDED.
 - 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 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.