

CABLE 1 OUTPUT PORTS

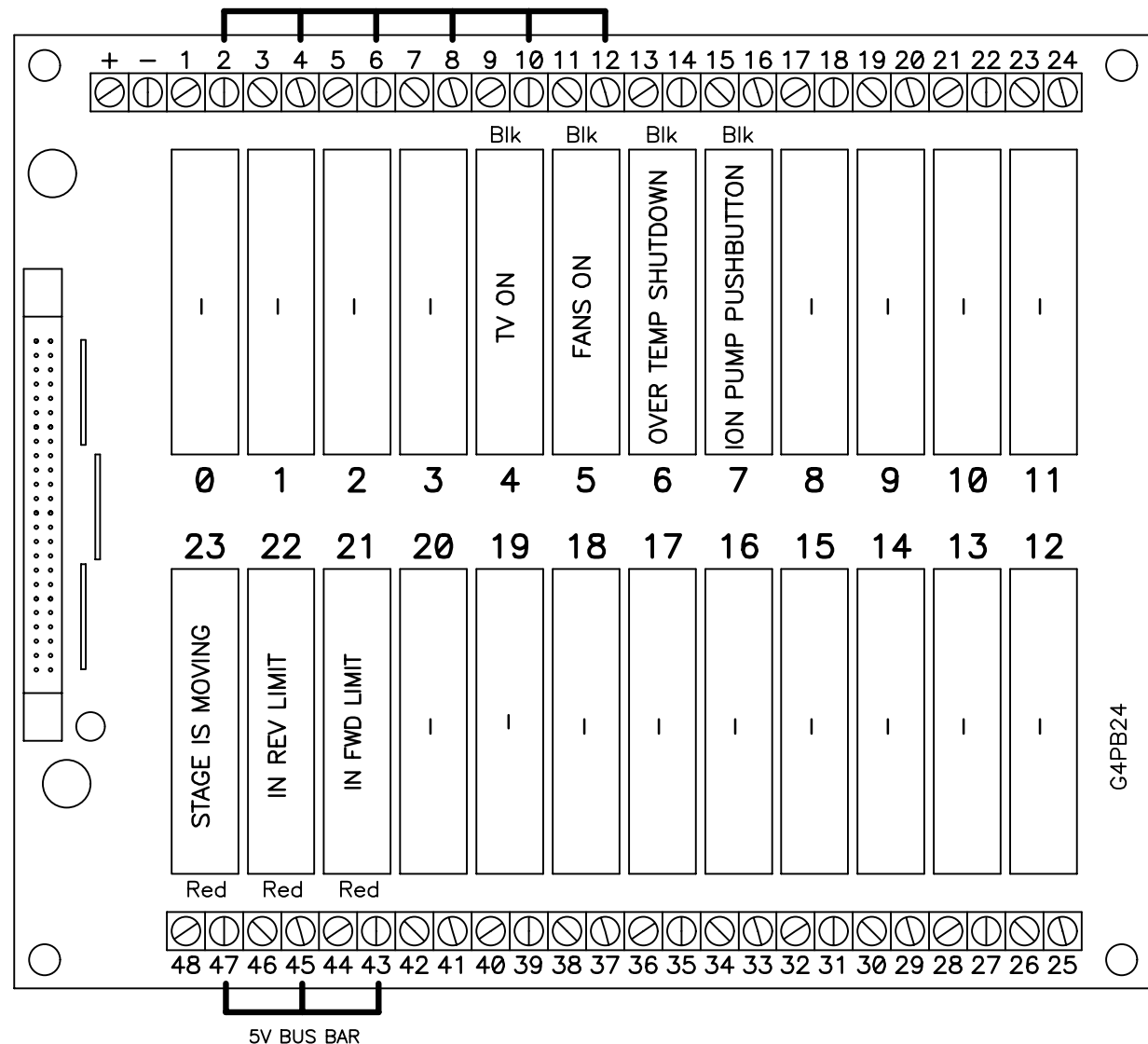
J1

CH	BIT	PIN	FUNCTION	CH	BIT	PIN	FUNCTION	CH	BIT	PIN	FUNCTION
0	25	47	-	8	33	31	-	16	41	15	-
1	26	45	-	9	34	29	-	17	42	13	-
2	27	43	-	10	35	27	-	18	43	11	-
3	28	41	-	11	36	25	-	19	44	9	-
4	29	39	TV ON	12	37	23	-	20	45	7	-
5	30	37	FANS ON	13	38	21	-	21	46	5	IN FWD LIMIT
6	31	35	OVER TEMP SHUTDOWN	14	39	19	-	22	47	3	IN REV LIMIT
7	32	33	ION PUMP PUSHBUTTON	15	40	17	-	23	48	1	STAGE IS MOVING

NOTE: TO USE THESE OUTPUTS USE THE GALIL COMMAND: CO 7

120 VAC BUS BAR

BOARD #1
CONTROLLER #0



BOARD #1
CONTROLLER #0

120VAC LOGIC

5V LOGIC

BIT	PIN	OUTPUT BARRIER STRIP					
		TO	TO	TO			
	VCC						
	GRD						
25	1	-					0
	2	110VAC (H)*	TBG-1	* PN1-2			
	3	-					
26	4	PN1-2	PN1-4				1
	5	-					
27	6	PN1-4	PN1-6				2
	7	-					
28	8	PN1-6	PN1-8				3
	9	TV					
29	10	PN1-8	PN1-10		G40AC5	TV ON	4
	11	FANS			G40AC5	FANS ON	5
30	12	PN1-10	PN1-12				
	13	JP3-2			G40AC5	OVER TEMP	6
	14	JP3-4					
31	15	J44-3			G40AC5	ION PUMP	7
32	16	J44-4				PB	
	17	-					
33	18	-					8
	19	-					
34	20	-					9
	21	-					
35	22	-					10
	23	-					
36	24	-					11
	25	-					
37	26	-					12
	27	-					
38	28	-					13
	29	-					
39	30	-					14
	31	-					
40	32	-					15
	33	-					
41	34	-					16
	35	-					
42	36	-					17
	37	-					
43	38	-					18
	39	-					
44	40	-					19
	41	-					
45	42	-					20
	43	+5V	PN1-45		G40DC5R	IN FWD LIMIT	21
46	44	J9-15	PN1-47				
	45	PN1-43			G40DC5R	IN REV LIMIT	22
47	46	J9-16					
	47	PN1-45			G40DC5R	STAGE IS MOVING	23
48	48	J9-17					

NOTE:

- TB => TERMINAL STRIP
- PN => OPTO-22 RELAY PANEL
- J => CONNECTOR ON PANEL
- * => USE 18 GAUGE WIRE

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		OUTPUT PORT ASSIGNMENTS 25-48 DMC-1500-72 OPTO-22 I/O EXPANSION ESI SPECTROGRAPH	
DES'N BY: B. Alcott	ORIGIN DATE: 3-13-96	DWG. NO.	NUM. 1 OF 1
Last SN	MODIFY DATE: 7-26-99	EL-3335-2D	
PATH: ES\OUT1	REV.A		

EL-3335-2D

REVISION
09-12-97 COMBINED DRAWINGS TO PRESENT ALL INFO IN ONE PLACE
11-19-97 MOVED HATCH TO CONTROLLER #1
01-15-98 MOVED IMAGE AND LOW DISP FLATS TO CONTROLLER #1
01-23-98 ADDED RELAY COLOR LABELS.
7/24/98 MOVED TV ON, FANS ON AND OVER TEMP SHUTDOWN. ADDED ION PUMP CONTROLLER SIGNAL. CORRECTED BUS BAR AT PIS 43,45 & 47
07-26-99 FIXED BUSS AND PN INFO