

4-CHANNEL CONTROLLER MAIN CONTROLLER I/O

Hamilton Spectrograph Onboard I/O						I/O	CONN	PIN
BIT	I/O	NAME	LABEL	SIGNAL	FUNCTION	A-D		
1	I	LATCH X/INPUT 1	DI1	ERROR_A	GRATING TILT ST5-S DRIVER ERROR	2	J11	N
2	I	LATCH Y/INPUT 2	DI2	ERROR_B	DEWAR FOCUS ST5-S DRIVER*ERROR	32	J12	N
3	I	LATCH Z/INPUT 3	DI3	ERROR_C	(UNASSIGNED)	18	J13	N
4	I	LATCH W/INPUT 4	DI4	ERROR_D	(UNASSIGNED)	3	J14	N
5	I	INPUT 5	DI5	-	-	33	-	-
6	I	INPUT 6	DI6	-	-	19	-	-
7	I	INPUT 7	DI7	-	-	4	-	-
8	I	INPUT 8	DI8	-	-	34	-	-
1	O	OUTPUT 1	D01	24DISABLE_A	GRATING TILT +24V DISABLE	41	J2	C
2	O	OUTPUT 2	D02	24DISABLE_B	DEWAR FOCUS +24V DISABLE	27	J2	A
3	O	OUTPUT 3	D03	24DISABLE_C	(UNASSIGNED)	12	J2	D
4	O	OUTPUT 4	D04	24DISABLE_D	(UNASSIGNED)	42	J2	C
5	O	OUTPUT 5	D05	-	-	28	J2	G
6	O	OUTPUT 6	D06	-	-	13	J2	F
7	O	OUTPUT 7	D07	-	-	43	J2	I
8	O	OUTPUT 8	D08	-	-	29	J2	H

Hamilton Spectrograph Extended I/O				I/O	CONN	PIN
BIT	LABEL	SIGNAL	FUNCTION	A-D		
9	I/O17	-	-	-	J2	-
10	I/O18	-	-	-	J2	-
11	I/O19	-	-	-	J2	-
12	I/O20	-	-	-	J2	-
13	I/O21	-	-	-	-	-
14	I/O22	-	-	-	-	-
15	I/O23	-	-	-	-	-
16	I/O24	-	-	-	-	-
9	O I/O25	-	-	-	-	-
10	O I/O26	-	-	-	-	-
11	O I/O27	-	-	-	-	-
12	O I/O28	-	-	-	-	-
13	O I/O29	-	-	-	-	-
14	O I/O30	-	-	-	-	-
15	O I/O31	-	-	-	-	-
16	O I/O32	-	-	-	-	-

EXTENDED I/O NOT CURRENTLY USED

REVISIONS

10-29-09 ADDED THIS SHEET
 02-04-10 ADDED +24V DISABLE SIGNAL. THESE ALLOW THE GALIL TO RESET EACH OF THE APPLIED MOTION DRIVERS INDIVIDUALLY.
 11-01-10 SWAPPED GRATING TILT & DEWAR FOCUS WITH GUIDE CAMERA FOCUS AND FILTER STAGES TO ALLOW USE OF CN1,-1 ON HARDY AND CN1,1 ON LAUREL.

http://loel.ucolick.org/manual/Hamilton_II/schematics/HAM_II_in_out_sh_5.pdf

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		INPUT/OUTPUT SIGNAL ASSIGNMENTS HAMILTON SPECTROGRAPH II	
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