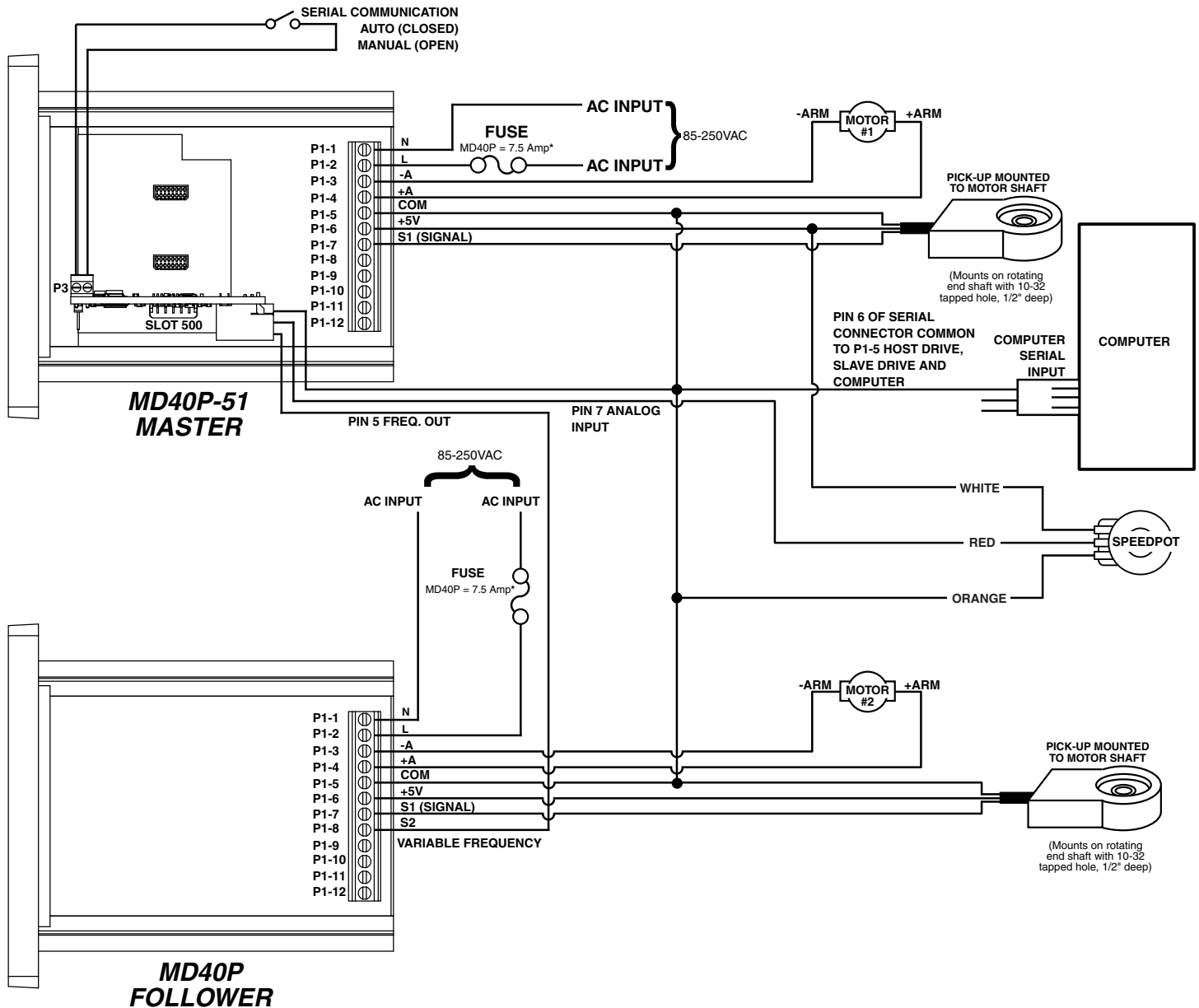


Frequency Generator signal from the Serial OPT51 Card to a Follower Drive controller

Master Controller unit will drive Motor #1 in the Manual Mode and the same motor can be driven by Computer commands in the Auto Mode through the OPT51 card at a different rate. The Frequency output from the Master through one of three Analog input choices will drive the Follower controller S2 Input & Motor #2 independently of the Master Controller Mode.

Wiring Diagram



* For AC inputs utilizing two hot lines, both inputs should be protected with appropriately sized fuses or circuit breakers.

Parameter Chart

Master Parameter Configuration			
Parameter	Description	Value	Notes
18	Front Panel Double-Click (Auto/Manual)	5	
21	Display Maximum	1650	RPM
22	Motor Control Method	0	
23	Accel Setting	1000	
24	Decel Setting	500	
30	S1 Display Reference	1650	
31	S1 Reference RPM	1650	
32	S1 Pulses Per Revolution	10	PPR
42	Inhibit Configuration	3	Both Accel/Decel
52	Alarm 1 Logical "And" Activation Condition	137	
81	Alarm 2 Output Routing	4	Slot 500 Alarm 1 out
120	Auto/Manual "Slot" Control	2	Slot 500 Serial Card
5030	Output Function	1	Freq. Gen.
5032	Output Frequency	7200	PPM (7200/60=PPS)
5040	Analog Input Destination	4	Freq. Rate
5041	Analog Input Source	1	Potentiometer
5043	Max Numeric Value	1650	RPM

Follower Parameter Configuration			
Parameter	Description	Value	Notes
10	Operating Mode	3	Follower Mode
12	Display Mode	2	S1 Actual Signal
20	Display Minimum	900	90%
21	Display Maximum	1100	110%
22	Motor Control Method	0	Gain/Low Spd. Off
23	Accel Setting	1	
24	Decel Setting	50	
30	S1 Display Reference	1650	
31	S1 Reference RPM	1650	
32	S1 Pulses Per Revolution	20	PPR
33	S1 Initial Stall Timeout	10	Seconds
34	Signal Input 1 (S1) Run Stall Timeout	5	1/10 Sec.
35	S1 Input Configuration	1	Disable
37	S2 Pulses Per Revolution (Follower Only)	1	PPR
40	UIN1 Input Configuration	1	Enabled
42	Inhibit Configuration	3	Both Accel/Decel