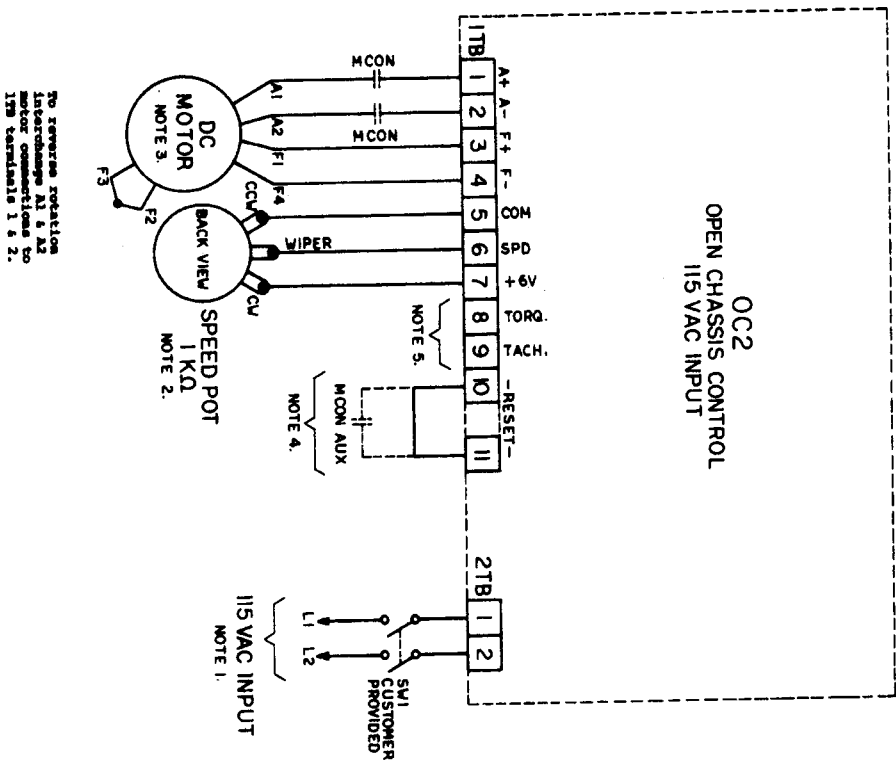


REV/LTR	REVISION	DATE
a	NOTE 4 MODIFICATION	D.A.R. 9/8/76
b	REVISED NOTE 6	L.M. 7/20/78

OC2
OPEN CHASSIS CONTROL
115 VAC INPUT



To reverse rotation interchange A1 & A2 motor connections to 1TB terminals 1 & 2.

SIZE L1, L2, A1 AND A2 WIRING TO CARRY THE ABOVE CURRENT. SIZE MOTOR FIELD WIRING TO CARRY 2 AMPS.

1. Only the AC line connected to 2TB-1 is feed. Therefore, L2 must be the grounded 115V AC line.
2. The speed potentiometer, knob, and shaft are provided with the control. The leads from this potentiometer should be shorted as short as possible to form a separate conduct from the AC input and motor leads.
3. If motor does not have F3 and F4 leads, connect F2 of the motor to 1TB-4 (F-) on the control. Check that motor voltages are compatible with OC2 outputs:
 - a) Terminals 1 to 2 on 1TB 0-500VDC
 - b) Terminals 3 to 4 on 1TB - 1000VDC
4. (on permanent magnet motors no connections should be made to terminals 1 and 2) The speed potentiometer and contacts in series with the A1 and A2 leads of the motor are shown. If a DC loop connector is to be used. With a DC loop connector remove the fixed jumper between terminals O and II on 1TB. In its place use a auxiliary M.O. contact on the DC loop connector. The OC2 control is reset when the contact is open and will cause run when this contact is closed. Failure to remove the fixed jumper and to use the MCON auxiliary contact will cause from blowing and possible burnout. For application details refer to manual P100-3M for necessary connections and board modifications.
- 5.

WIRE SIZE	115VAC INPUT	DC MOTOR CURRENT
1/8	2.5	1.0
1/8	4.0	1.5
1/8	6.0	2.0
1/8	6.5	2.5
1/2	10	3.0
3/4	14	4.0

FIGURE 4.

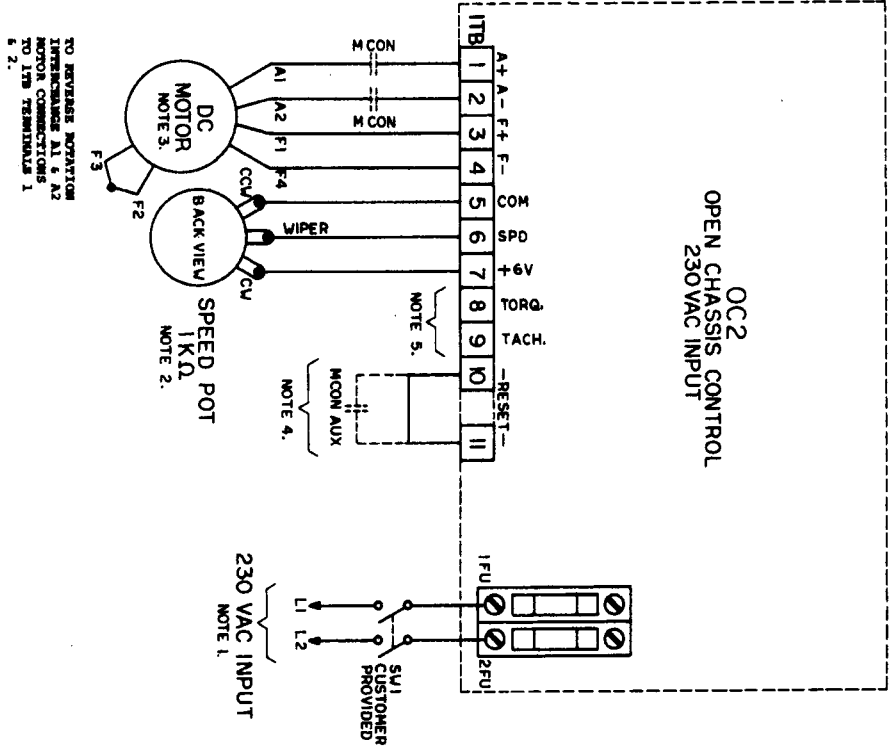
DATE	BY	DESCRIPTION
8/27/76	DATE	OC2 EXTERNAL WIRING CONNECTIONS 115 VAC 1/8 THRU 1HP
8/27/76	DATE	OC2 EXTERNAL WIRING CONNECTIONS 115 VAC 1/8 THRU 1HP
8/27/76	DATE	OC2 EXTERNAL WIRING CONNECTIONS 115 VAC 1/8 THRU 1HP

POLYMER ELECTRONICS CORP.
5700 TOWN HALL DRIVE
DALLAS, TEXAS

AL401-000-EW/5

REVISED	REVISION	DATE
NOTE 4 MODIFICATION		9/8/76
REVISED NOTE 6.		7/20/76

OC2 OPEN CHASSIS CONTROL 230 VAC INPUT



- NOTES:
1. MOTOR WIRES OF THE 230 VAC INPUT LINES ARE FORCED.
 2. THE SPEED POTENTIOMETER, MOTOR, AND DIAL ARE PROVIDED WITH THE CONTROL. THE LEADS FROM AS POSSIBLE AND RUN IN A SEPARATE CONDUIT FROM THE AC INPUT AND MOTOR LEADS.
 3. IF MOTOR DOES NOT HAVE F3 AND F4 LEADS, CONNECT F2 OF THE MOTOR TO 17B-4 (F-) ON THE CONTROL. CHECK THAT MOTOR VOLTAGES ARE COMPATIBLE WITH OC2 OUTPUTS:
 - (a) TERMINALS 1 TO 2 ON 17B 0-180VDC
 - (b) TERMINALS 3 TO 4 ON 17B 0-200VDC
 (ON TERMINALS 3 AND 4) CONNECTIONS SHOULD BE MADE TO TERMINALS 3 AND 4.)
 4. THE DANGER CONTACTS IN SERIES WITH THE A1 AND A2 LEADS OF THE MOTOR ARE SHOWN IF A DC LOOP CONTACTOR IS TO BE USED. WITH A DC LOOP CONTACTOR REMOVE THE FIELD JUMPER BETWEEN TERMINALS 10 AND 11 ON 17B. IN THE PLACE USE AN ADDITIONAL N.O. CONTACT ON THE DC LOOP CONTACTOR. THE OC2 CONTROL IS BEST WHEN THE CONTACT IS OPEN AND SAFE TO RUN WHEN THIS CONTACT IS CLOSED. A CUE INDICATOR CONTACT WILL CAUSE THE RUNNING AND POSSIBLE CONTROL DAMAGE. FOR APPLICATIONS REQUIRING EXTERNAL TORQUE PROGRAMMING AND/OR FORCE FEEDBACK REFER TO MANUAL P1400-3M FOR NECESSARY CONNECTIONS AND BOARD MODIFICATIONS.

HP SIZE	HP LIMIT CURRENT
1/4	3.0
1/3	4.0
1/2	6.0
3/4	7.0
1	12
1 1/2	15
2	20
3	30

SIZE L1, L2, A1 AND A2 WIRING TO CARRY THE ABOVE CURRENT. SIZE MOTOR FIELD WIRING TO CARRY 2 AMPS.

FIGURE 5.

ORDERING SIZE	C	POLYSPERD ELECTRONICS CORP.
DATE	9/2/76	9720 TWIN HILLS AVE. DALLAS, TEXAS
APP'G.	DATE	OC2 EXTERNAL WIRING CONNEX-C-1/4 THRU 3HP
SCALE	SHEET NO. 1	TOTAL NO. SHEETS 1
		A1404-000-EW/b