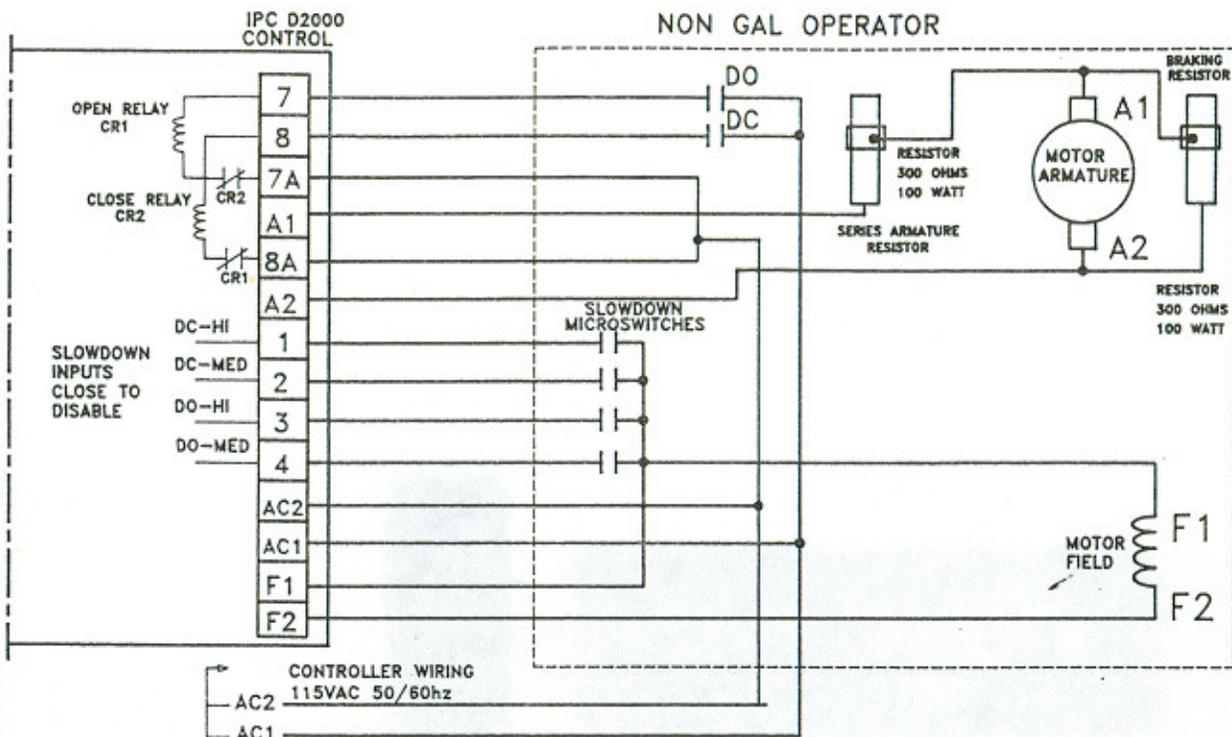


IPC D2000 CONTROL WIRING WITH NON GAL OPERATOR



REVISIONS

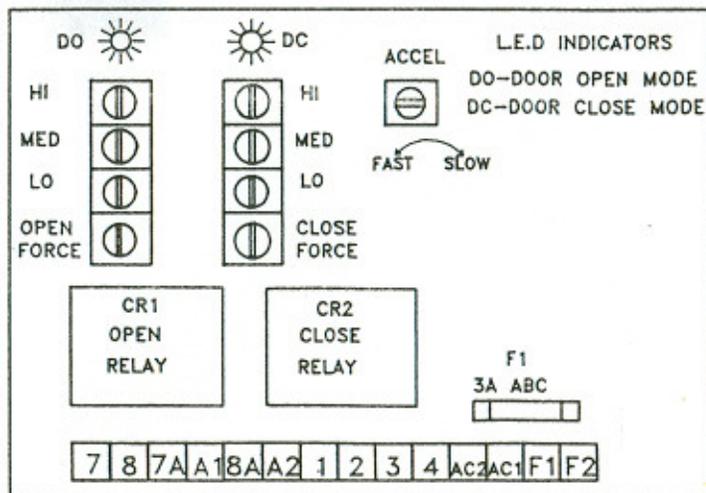
ECH	REV	DESCRIPTION	CHECKED	DATE	APPROVED	DATE
	1	ADD NOTES	J.RIES	12/93		

IPC CONTROL ADJUSTMENT NOTES

- BEFORE APPLYING POWER, CHECK THE MOTOR AND FIELD RESISTANCE, AND SLOWDOWN SWITCH WIRING. WITH POWER APPLIED, BUT BEFORE OPERATING THE CONTROL CHECK THE INPUT VOLTAGE (AC1-AC2), AND THE FIELD VOLTAGE (F1-F2).
- SET OPEN AND CLOSE HIGH SPEED POTS TO GIVE DESIRED MAXIMUM SPEED. WARNING: SINCE THE FORCE POTS ARE CURRENT LIMIT POTS, IF THEY ARE ADJUSTED TOO HIGH, THE BOARD COULD BE DAMAGED, ESPECIALLY IN A STALLED DOOR CONDITION.
- JUMP THE APPROPRIATE SLOWDOWN SWS TO SET MEDIUM AND SLOW SPEEDS. SET SLOW SPEED FAST ENOUGH TO PREVENT THE DOOR FROM STALLING WHEN THE DOOR STARTS TO OPEN OR CLOSE. SET THE MEDIUM SPEED BETWEEN HIGH AND SLOW SPEED. IF THE DOOR SLAMS, REDUCE MEDIUM SPEED, OR INCREASE THE ACCELERATION RATE (TURN ACCEL POT CCW); OR ADJUST GAL SLOWDOWN SWS TO START SLOWDOWN EARLIER.
- IF THE STALLED DOOR TORQUE IS TOO HIGH, TURN CLOSE FORCE POT CCW TO DECREASE TORQUE. WARNING: SINCE THE FORCE POTS ARE CURRENT LIMIT POTS IF THEY ARE ADJUSTED TOO HIGH, THE BOARD COULD BE DAMAGED, ESPECIALLY IN A STALLED DOOR CONDITION.
- THE ACCELERATION POT ACCEL SHOULD NOT REQUIRE ADJUSTMENT. TO ADJUST TURN ACCEL POT CCW FOR QUICKER ACCELERATION AND DECELERATION. TURN ACCEL POT CW FOR SOFTER START AND ACCELERATION AND DECELERATION. A MID RANGE SETTING IS RECOMMENDED. WARNING: IF A FASTER ACCELERATION IS SET, THIS WILL DRAW MORE CURRENT FROM THE CONTROL, WITH GREATER POSSIBILITY OF OVERLOADING IT. SPECIAL CARE SHOULD BE EXERCISED WITH HEAVY DOORS WHICH USUALLY REQUIRE SLOWER ACCELERATION.

IPC CONTROL ADJUSTMENTS

- DOF DOOR OPEN FORCE CURRENT LIMIT
 DO-HI HIGH SPEED OPEN CONTACTS 3 AND 4 OPEN
 DO-MED MEDIUM SPEED OPEN CONTACT 3 CLOSED
 DO-LOW LOW SPEED OPEN CONTACTS 3 AND 4 CLOSED
 DC-HI HIGH SPEED CLOSE CONTACTS 1 AND 2 OPEN
 DC-MED MEDIUM SPEED CLOSE CONTACT 1 CLOSED
 DC-LOW LOW SPEED CLOSE CONTACTS 1 AND 2 CLOSED
 DCF DOOR CLOSING FORCE CURRENT LIMIT
 ACCEL ACCELERATION RATE CLOCKWISE-DECREASE RATE
 TURN CLOCKWISE TO INCREASE FORCE OR SPEED



IPC D2000 PC BOARD LAYOUT

IPC CONTROL SPECIFICATIONS

- INPUT VOLTAGE (AC1-AC2) ----- 100-125VAC (WARNING: DO NOT EXCEED 125VAC)
 COIL VOLTAGE (7-7A;8-8A) ----- 115VAC (COIL VOLTAGE OF CR1-CR2 RELAYS)
 FIELD VOLTAGE (F1-F2) ----- 160VDC
 MAX ARMATURE VOLTAGE (A1-A2) ----- 0-160VDC (HIGH), 0-160VDC 0-85VDC (MED), 30VDC (LOW)

UNLESS OTHERWISE SPECIFIED:

TOLERANCES:
 ANGULAR ±1/2°
 TWO PLACE DECIMAL ±.01
 THREE PLACE DECIMAL ±.005
 FINISH SURFACES 125 RMS
 BREAK SHARP CORNERS .01/.02 R.

MATERIAL:

FINISH:

DRAWN J.RIES DATE 10/92

CHECKED DATE

APPROVED DATE

IPC 6 NORTH CORPORATE DRIVE
 AUTOMATION RIVERDALE N.J. 07457

HOOK UP DIAGRAM
 D2000
 3AMP DOOR OPERATOR CONTROL

FILE NO.	S-600 NGO	REV	
DWG NO.	910-1222-004		1
SCALE	NONE	SHEET	1
		OF	1