



INPUT WORKING VOLTAGE TRANSFORMER WINDING SELECT JUMPER NOTES:

FOR 480 VAC USE, (SHOWN) INSTALL JUMPERS J2, J5, J8 (NORMAL AS SHIPPED)

FOR 220V USE JUMPERS J3-1-5, J6-1-5, J7-1-5

SET UP INSTRUCTION NOTES:

- DC FEEDBACK SIGNAL CONNECTS TO T81-8, COMMON TO T81-10. ADJUST P3 TO SCALE THE AMOUNT OF EFFECT FEEDBACK HAS. FULLY COUNTER-CLOCKWISE, P3 HAS THE GREATEST EFFECT. FULLY COUNTER-CLOCKWISE, A LESSER EFFECT. JUMPER T81-8 TO T81-9 FOR OPEN LOOP OPERATION. IMPEDANCE OF THIS INPUT IS 10K OHMS
- OPTIONAL CURRENT INPUT: APPLY FULL SCALE CURRENT INPUT SIGNAL TO T82-18 AND ADJUST P6 (GAIN) FOR +10VDC OUT AT T83-18.
- WHEN USING THE OPTIONAL CURRENT INPUT, CONNECT T83-18 TO T81-8.
- THE CURRENT LIMIT RANGE IS SET VIA AN EXTERNAL RESISTOR CONNECTED BETWEEN T82-12 AND T82-13 (RCL). USE CHART TO SET LIMIT POINT.

RCL	CURRENT LIMIT POINT
OK	5X FULL LOAD CURRENT
60K	1X FULL LOAD CURRENT

- CR1 CHANGES STATE (SEE NOTES REGARDING CR2 JUMPER) WHEN A
    - POWER FAILURE,
    - OVER CURRENT TRIP, OR
    - LOSS OF PHASE OCCURS.
 RELAY OUTPUT CONTACTS RATED AT 120VAC, 2A
  - OPTIONAL CR2 ENERGIZES WHEN CURRENT EQUAL OR EXCEEDS OFFSET POINT. P1 OFFSET, P2 BIAS, AND P3 GAIN POTS ARE OPTIONAL FOR 4-20MA CURRENT INPUT
  - CONTROL SHUTDOWN
    - +15V SIGNAL INTO T83-27 WILL CAUSE THE CONTROL TO LATCH OFF. THE CONTROL CAN ONLY BE RE-ENABLED BY
      - RESETTING THE CONTROL, OR
      - TURNING THE POWER OFF THEN ON.
  - P4, OUTPUT LIMIT POT - FACTORY SET AND SEALED, NO ADJUSTMENT
  - P5, LOW FREQ
- UPON OVER-CURRENT CONDITION, PACKAGE WILL SHUT DOWN, OCT LED WILL LIGHT, AND CR1 RELAY WILL CHANGE STATE. (SEE NOTE 5)

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

MATERIAL:  
 FINISH:

IPC 441 INDUSTRIAL LEXINGTON, S.  
 THREE PHASE HOOKUP

DRAWN	DWH	DATE	01/01
CHECKED		DATE	
APPROVED		DATE	

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