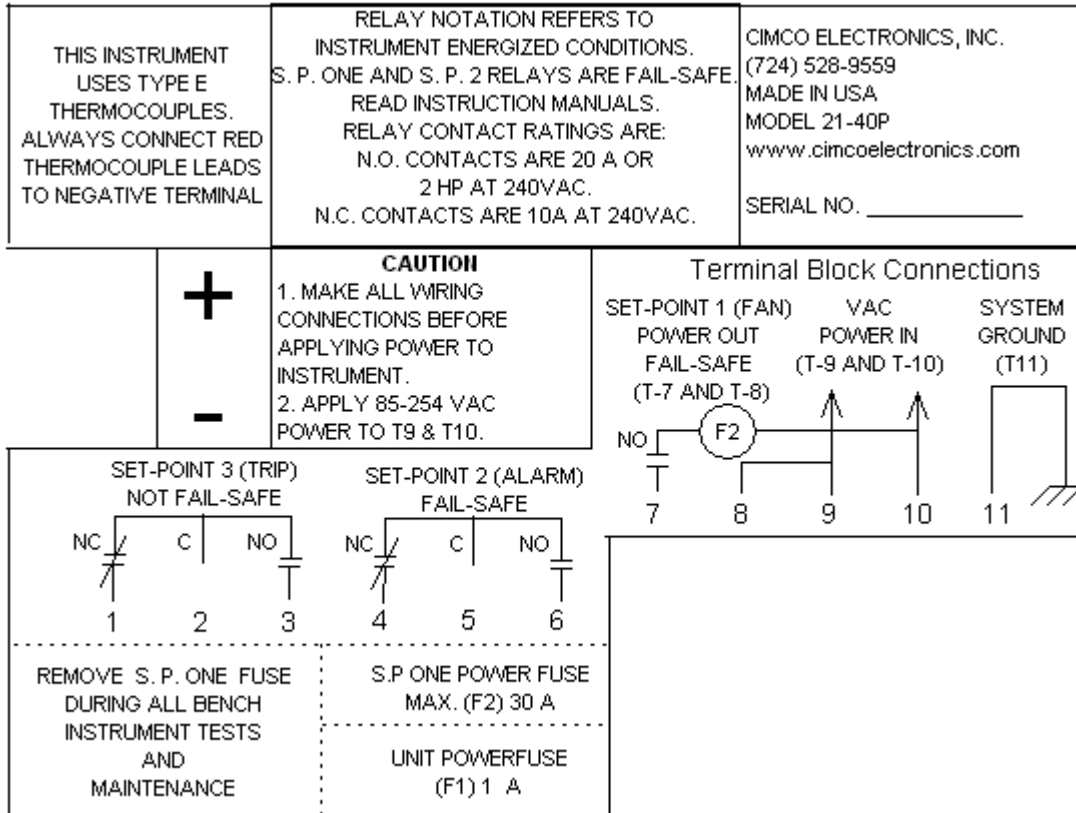


**Model 21-40P - Field Installation  
Instruction Manual  
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BACK BOX SIZE  
**6.5" X 11.5" X 3"**

### CAUTION

1. MODEL 21-40P INSTRUMENTS USE MICRO-CONTROLLERS FOR SIGNAL PROCESSING AND LOGIC CONTROL
2. MODEL 21-40P INSTRUMENTS THEREFORE MUST BE SHIELDED FROM MAGNETIC FIELDS GENERATED BY TRANSFORMERS
3. ALWAYS CONNECT SYSTEM GROUND TO TERMINAL 11.
4. **CALL CIMCO FOR ADVICE ON NON-STANDARD INSTALLATIONS WITH ABNORMAL MAGNETIC OR ELECTRIC FIELDS.**

## **START-UP SEQUENCE FOR Model 21-40P SOFTWARE**

1. THE SOFTWARE USED ON CIMCO'S NEW MODEL 21-40P INSTRUMENTS REQUIRES A SPECIFIC START-UP PROCEDURE.
2. THIS SOFTWARE START-UP PROCEDURE IS SIMILAR TO BUT IS NOT EXACTLY THE SAME AS SYSTEM TEST SEQUENCE.
3. ALL LIGHTS ARE TURNED ON FOR A SHORT PERIOD OF TIME.
4. THE FAN POWER RELAYS AND THE ALARM RELAY ARE TURNED ON FOR A SHORT PERIOD OF TIME (LESS THAN 2 SECONDS).
5. THE ALARM IS USUALLY TURNED ON FOR LESS THAN ONE SECOND. IF THE ALARM DOES NOT TURN ON THE OPERATOR SHOULD CHECK THE ALARM USING THE SYSTEM TEST PROCEDURES.
6. THE TRIP RELAY IS NOT TURNED ON DURING SOFTWARE START-UP OR SYSTEM TEST.
7. THE TRIP-ON LIGHT IS TURNED ON FOR A SHORT PERIOD OF TIME (LESS THAN 2 SECONDS).
8. THE OPERATOR SHOULD ALWAYS USE THE SYSTEM TEST FEATURE TO VERIFY COMPLETE OPERATION OF THE INSTRUMENT.
9. NOTIFY CIMCO IF THERE ARE ANY QUESTIONS OR CONCERNS.

## **FIELD CONNECTIONS FOR POWER INPUTS TO MODEL 21-40P INSTRUMENTS**

1. STANDARD CONNECTIONS FOR INPUT POWER TO MODEL 40P INSTRUMENTS MUST BE TERMINALS 9 AND 10.
2. CONNECTION VOLTAGE RANGE IS 85 VAC TO 264 VAC; 50 OR 60 HERTZ.
3. THE POWER SUPPLY CONNECTED TO THE INSTRUMENT SHOULD BE DIFFERENT FROM THE TRANSFORMER MANAGED BY THE TRIP RELAY ON THE INSTRUMENT.
4. IF THE INSTRUCTIONS IN ITEM 3 (ABOVE) ARE NOT FOLLOWED, UNEXPECTED OR ABNORMAL TRIP OPERATIONS MAY OCCUR.
5. THIS WARNING APPLIES TO ALL DEVICES WITH TRIP RELAYS CONNECTED AS DESCRIBED IN ITEM 3 (ABOVE).
6. BE ESPECIALLY CAREFUL IF THE TRANSFORMER MONITORED BY THE MODEL 40P INSTRUMENT IS THE ONLY SOURCE OF POWER.