

## DESCRIPTION AND INSTRUCTIONS

1. GENERAL DESCRIPTION
  1. MONITORS ONE TEMPERATURE SENSOR
  2. NON-MAGNETIC TYPE E THERMOCOUPLE
  3. MICRO-CONTROLLER BASED LOGIC CONTROL
  4. CARBON STEEL FACE-PLATE AND INSTRUMENT BOX
  5. RELAY OUTPUTS
    1. REMOTE ALARM-FORM C (FAIL SAFE-open T/C or loss of power)
    2. TRIP - FORM C
2. DISPLAY
  1. THREE LED DIGITS
  2. RANGE IS 0-250 DEGREES CENTIGRADE
  3. ACCURACY IS PLUS/MINUS ONE DEGREE CENTIGRADE
3. FRONT PANEL
  1. UV RESISTANT LEXAN
  2. BLACK WITH WHITE TRIM
  3. WATER PROOF COVER
  4. SMOOTH FACE-PLATE
4. CONNECTION INSTRUCTIONS
  1. LOCATED ON BACK SIDE OF THE INSTRUMENT
  2. CONNECT TYPE E THERMOCOUPLE ON LEFT SIDE-RED LED IS NEGATIVE.
  3. CONNECT ALARM AND TRIP RELAY LEADS
  4. CONNECT POWER LEADS TO TERMINAL 7 AND 8.
  5. CONTACT RATINGS:
    1. NORMALLY OPEN; 20 AMPS RESISTIVE; 1 HP AT 120 VAC, 2 HP AT 240 VAC
    2. NORMALLY CLOSED; 10 AMPS RESISTIVE
5. SET-POINT ADJUSTMENTS
  1. ORDER EACH INSTRUMENT WITH DESIRED SET-POINTS.
  2. CONTACT CIMCO FOR DETAILED INSTRUCTIONS.

## CHANGE SET-POINT INSTRUCTIONS

***NEVER CHANGE SET-POINTS WITHOUT APPROVAL  
FROM TRANSFORMER MANUFACTURER.***

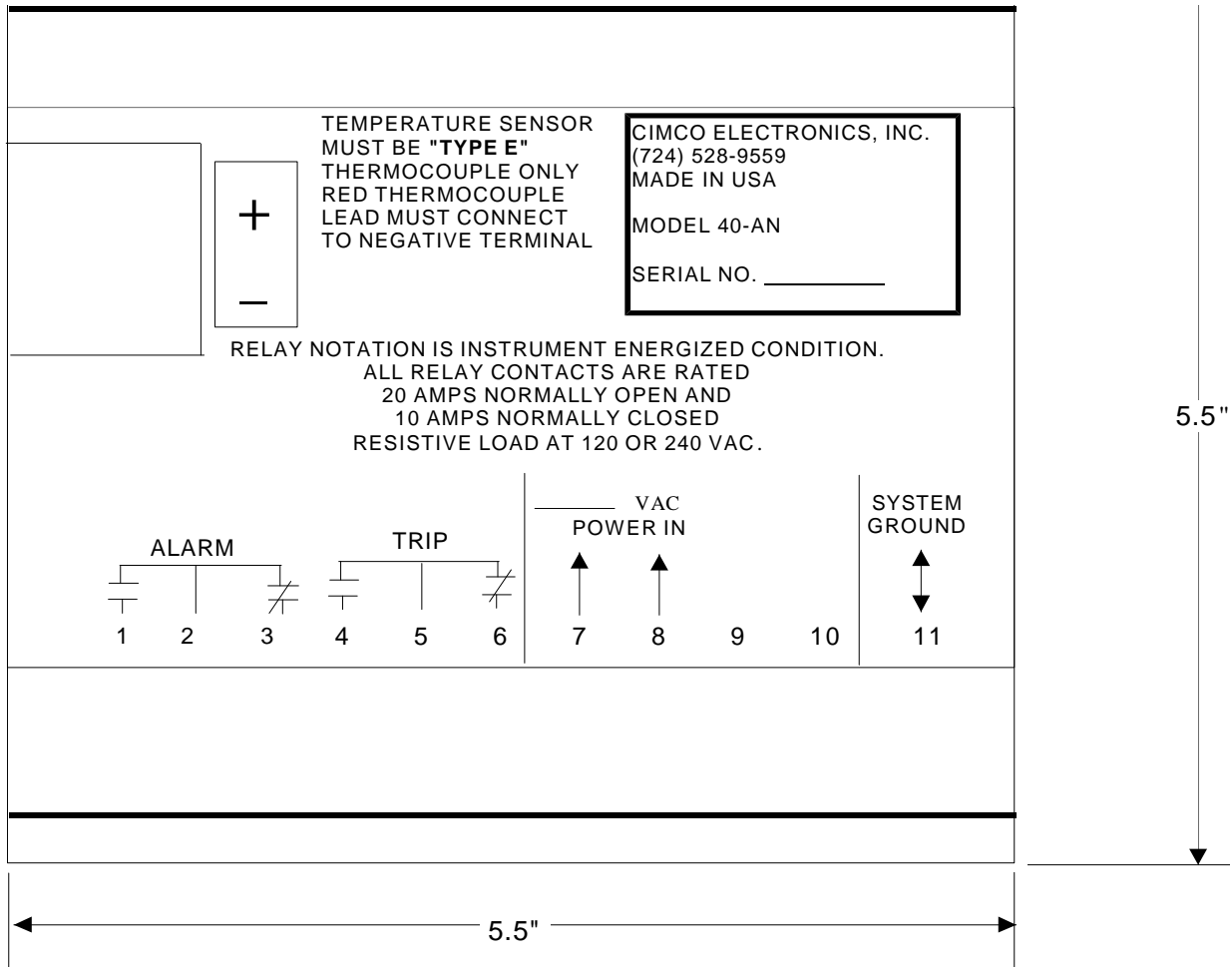
1. APPLY MILLI-VOLT SOURCE TO THERMOCOUPLE INPUT TERMINALS. CIMCO SELLS BATTERY POWERED (1.5 VDC) MILLI-VOLT SOURCES; CONTACT CIMCO FOR PURCHASE.
2. ENERGIZE INSTRUMENT
3. ADJUST MILLI-VOLT SOURCE UNTIL THE DISPLAY INDICATES THE NEW TEMPERATURE ON SETTING.
4. ADJUSTMENT ACCESS HOLES ARE LABELED ON TOP OF INSTRUMENT.
5. USE SMALL FLAT-TIP SCREWDRIVER. ROTATE ADJUSTMENTS UNTIL THE FANS ON, ALARM, OR TRIP LIGHTS ENERGIZE.
  1. COUNTER-CLOCKWISE ROTATION RAISES SET-POINTS.
  2. CLOCKWISE ROTATION LOWERS SET-POINTS.
6. RELAY OFF SET-POINTS ARE FIXED AT TIME OF MANUFACTURER.
  1. ALARM "DEAD BAND" IS FIVE DEGREES CENTIGRADE.
  2. TRIP "DEAD BAND" IS FIVE DEGREES CENTIGRADE.

# Cimco

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# Model 40AN

26 MAIN STREET, P.O. BOX 248  
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**REAR VIEW**

**NOTES:**

1. REFERENCE CIMCO DRAWING 3-28-96-A
2. MOUNTING HOLE SIZE MUST BE 5.75 MIN/6.0 MAX INCH SQUARE.
3. MOUNTING HOLE MUST BE CENTERED WITH 4 (0.281" SQ.) MOUNTING HOLES.
4. BACK BOX IS 2.5" DEEP.
5. BACK BOX IS CARBON STEEL.

Back Box - Model 40AN  
Drawing: 3-28-96-B

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