

DESCRIPTION AND INSTRUCTIONS

1. GENERAL DESCRIPTION
 1. MONITORS ONE 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. LOCAL ALARM-FORM A (FAIL SAFE-open T/C or loss of power)
 2. REMOTE ALARM-FORM C (FAIL SAFE-open T/C or loss of power)
 3. TRIP - FORM C
 4. FAN POWER - FORM A; (FAIL SAFE-open T/C or loss of power)RELAY CONTACT CARRIES SAME VOLTAGE AS APPLIED TO TERMINAL 7&8
2. DISPLAY
 1. THREE LED DIGITS
 2. RANGE IS 0 - 250 DEGREES CENTIGRADE
 3. ACCURACY IS PLUS/MINUS ONE DEGREE CENTIGRADE
3. OPERATOR CONTROL PANEL
 1. STATUS INDICATOR LEDs
 1. POWER ON - GREEN
 2. FANS ON - YELLOW
 3. ALARM AND TRIP - RED
 2. OPERATOR CONTROLS
 1. PRESS TO READ MAXIMUM TEMPERATURE MEMORY
 2. PRESS TO ERASE MAXIMUM TEMPERATURE MEMORY
 3. PRESS TO TEST ALARM RELAYS AND REMOTE CIRCUITRY
 4. PRESS TO SILENCE LOCAL ALARM
REMOTE ALARM REMAINS ON UNTIL ALARM CONDITION CLEARS.
 5. FAN MODE CONTROLS
 1. INSTRUMENT STARTS UP IN AUTOMATIC FAN MODE CONTROL
 2. GREEN LED INDICATES AUTOMATIC MODE CONTROL IS ON.
 3. PRESS MANUAL ON CONTROL TO ENERGIZE FANS CONTINUOUSLY
 4. PRESS MANUAL OFF CONTROL TO DE-ENERGIZE FAN POWER.
 3. CONTROL PANEL COVER
 1. UV RESISTANT LEXAN
 2. BLACK WITH WHITE TRIM
 3. WATER PROOF COVER
 4. SMOOTH FACE-PLATE
 1. NO SWITCHES EXTEND OUT OF THE INSTRUMENT FACE-PLATE
 2. NO LIGHTS EXTEND OUT OF THE INSTRUMENT FACE-PLATE.

DESCRIPTION AND INSTRUCTIONS (con't)

4. CONNECTION INSTRUCTIONS
 1. LOCATED ON BACK SIDE OF THE INSTRUMENT
 2. CONNECT TYPE E THERMOCOUPLE ON LEFT SIDE (RED LEAD IS NEGATIVE.)
 3. CONNECT ALARM LEADS
 4. CONNECT FAN LEADS
 1. CONTACT ON TERMINAL 10 CONNECTS TO TERMINAL 7 INSIDE THE INSTRUMENT.
 2. TERMINAL 8 AND 9 ARE CONNECTED TOGETHER INSIDE THE INSTRUMENT.
 5. CONNECT POWER LEADS TO TERMINAL 7 AND 8.
 6. 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 INSTRUCTION

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 FOR FIFTY DOLLARS.
2. ENERGIZE INSTRUMENT
3. ADJUST MILLI-VOLT SOURCE UNTIL THE DISPLAY INDICATES THE DESIRED TEMPERATURE FOR THE NEW SET-POINT.
4. ADJUSTMENT ACCESS HOLES ARE LABELED ON TOP OF THE 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. FAN "DEAD BAND" IS TWENTY DEGREES CENTIGRADE.
 2. ALARM "DEAD BAND" IS FIVE DEGREES CENTIGRADE.
 3. TRIP "DEAD BAND" IS FIVE DEGREES CENTIGRADE.