Model A21

CIMCO ELECTRONICS, INC. www.cimcoelectronics.com
E-MAIL: cimco@cimcoelectronics.com

P.O. Box 1338 McMurray, PA 15317 PHONE (724) 941- 8001 FAX (724) 941- 8002

Standard Features

- Monitors and displays one ambient and three winding temperatures
- Micro-controller based
- Hinged barrier cabinet
- Programmable on and off set-points
- Automatically displays hottest temperature
- Manually displays temperature of all three inputs and maximum temperature in memory
- Status lights for power, fans, alarm, and trip
- Maximum temperature memory for three inputs
- Relays controlled by current highest operating temperature
- Two fan power relays
- Alarm relay for remote monitoring
- Trip relay for remote monitoring
- Local alarm 90 db
- System test verifies all set-points and ambient temperature
- Instrument and fan power fuses
- Input power 120/240 vac 50 or 60 Hz

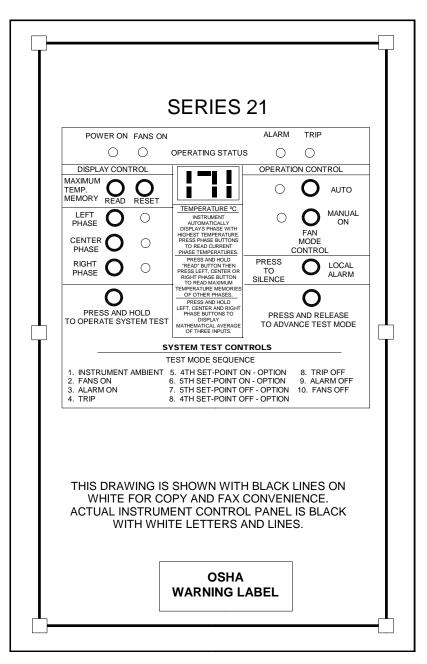
Optional Features

- Fourth and Fifth set-point relays
- Choice of current loops
- RS-232
- RS-485
- 100 ohm RTDs (NOT RECOMMENDED!)
- Alarm (95 db or 105 db)
- AC/ DC Input Capable: Input power 85-264VAC at 47-440Hz or

110-270 DC

Model A21 WINDING TEMPERATURE INDICATOR AND CONTROLLERS FOR DRY-TYPE TRANSFORMERS

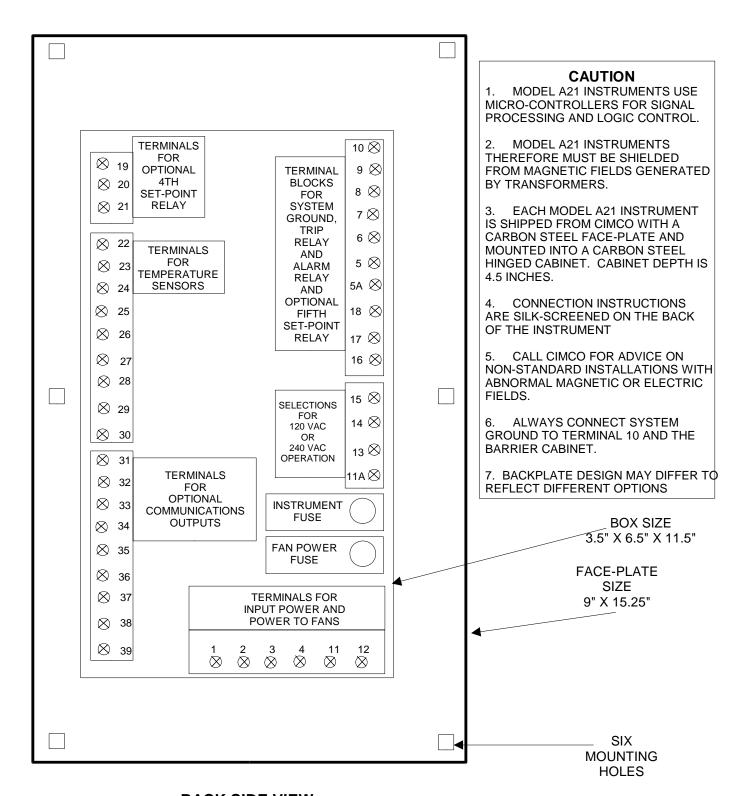
OPERATOR CONTROL PANEL



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SPECIFICATION INSTRUCTIONS FOR MODEL A21 AND OPTIONS

- 1. MODEL A21
 - 1. INCLUDES BARRIER CABINET: CONTACT CIMCO FOR NON-STANDARD INSTALLATIONS
 - 2. USES MICRO-CONTROLLER FOR SIGNAL PROCESSING AND LOGIC CONTROL

Use these letters to order options 2. OPTIONAL RELAYS (SELECT ONLY ONE FROM THIS GROUP) 1. FOURTH SET-POINT RELAY Α 2. FIFTH SET-POINT RELAY В 3. FOURTH AND FIFTH SET-POINT RELAYS C 3. COMMUNICATIONS OPTIONS (SELECT ONE ONLY FROM THIS GROUP) 1. ONE 0-1 milli-amp CURRENT LOOP D 2. ONE 0-10 milli-amp CURRENT LOOP Е 3. ONE 0-20 milli-amp CURRENT LOOP 4. ONE 4-20 milli-amp CURRENT LOOP G 5. THREE 0-1 milli-amp CURRENT LOOPS Н 6. THREE 0-10 milli-amp CURRENT LOOPS 7. THREE 0-20 milli-amp CURRENT LOOPS 8. THREE 4-20 milli-amp CURRENT LOOPS K 9. RS-232C Т 10.RS-485 U 11.OTHER CURRENT LOOPS ARE AVAILABLE WITH SPECIAL ORDER 4. TEMPERATURE SENSORS 1. TYPE E THERMOCOUPLE IS STANDARD 2. 100 OHM RTD (NOT RECOMMENDED) RTD-100 5. ALARM MOUNTED ON FRONT OF INSTRUMENT 1. 95 db AT TWO FOOT AL95 2. 105 db AT TEN FEET AL105 6. AC/DC INPUT POWER CAPABLE (UNIVERAL POWER SUPPLY) Χ

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Use these letters to order options

6. SPECIFY MODEL NUMBER

- 1. USE THE FOLLOWING PROCEDURE AND EXAMPLES USING THE ABOVE INFORMATION.
- FORMAT = A21 + RELAY OPTIONS + COMMUNICATIONS OPTIONS + TEMPERATURE SENSORS + POWER OPTIONS
- 3. A21 SPECIFIES SERIES 21 INSTRUMENT WITH BARRIER CABINET
- 4. A21-D SPECIFIES MODEL A21 WITH ONE 0-1 milli-amp CURRENT LOOP.
- 5. A21-A-D SPECIFIES MODEL A21 WITH FOURTH SET-POINT RELAY PLUS ONE 0-1 ma CURRENT LOOP.
- 6. A21-B SPECIFIES MODEL A21 WITH FIFTH SET-POINT RELAY.
- 7. A21-RTD-100 SPECIFIES MODEL A21 AND THREE 100 OHM RTD's WITH 20 FOOT TWISTED PAIR LEADS.
- 8. A21-X SPECIFIES MODEL A21 WITH AC/DC INPUT POWER CAPABLE OPTION.