



GENERAL DESCRIPTION

The series 50 is an automatic Fan Speed Modulator which varies electrical motor speed in response to changes in temperature. It is suitable for use in ventilation fan motor or condenser applications that use a permanent split capacitor or shaded pole motor designed for phase control.

ELECTRICAL SPECIFICATIONS
SERIES 50-14-L420

- POWER INPUT: 240 Vac ±10%, 50/60 Hz
 - OUTPUT: Triac, 8.5 Amps(full load) maximum; 20.5 Amps(locked rotor)
 - OUTPUT VOLTAGE: 75 Vac ±10% ● min speed, 200 Vac ±10% ● max speed.

 - MODULATING BAND: 6°F(3°C) preset from idle to full speed.
 - IDLE ADJUSTMENT: Field selectable, 75 to 175 Vac(0-10 on idle scale).
 - RANGE: 35° to 95°F(2°C to 35°C)
 - SETPOINT STABILITY: Better than ±2% of range ● 77°F(25°C)
 - SETPOINT ACCURACY: ±5% of range
 - SENSOR: NTC Thermistor 20K Ohm ● 25°C(77°F)
 - TEMPERATURE: 150°F(65°C)max case; 122°F(50°C)max free air.
 - MOUNTING: Mount on 4" x 4" electrical box protected from adverse elements.
 - WIRING: Comply with applicable electrical codes; wire as shown above.
- NOTE:** Connection to power should include a fast-acting circuit breaker or fuse closely rated to load current.

DRAWN EDS
 APPROVED [Signature]
 DATE 10-20-88
 SCALE ECO #1988



SERIES 50
VARI-SPEED FAN MODULATOR

FEATURES/MODEL
WATERTIGHT AND DUST RESISTANT
 DWS. NO. [] REV. []
50-14-L420

50-14-L420