

AMT-P1 Series Bimetal Thermostat

OPEN FRAME SELF HOLD THERMOSTAT | THERMAL PROTECTOR | HEATER PROTECTION



The AMT-P1 Series thermostat available from Calco Electric offers an open frame design and provides a safer and more reliable protection on circuits. The PTC component and contact circuit form a parallel circuit. With the heating up of temperature, the contact circuit is off and current flows through PTC component to form a loop. The temperature of the PTC component increases rapidly, and being higher than the rated reset temperature, it keeps the circuit in the off state. When the main power is removed, the temperature decreases to the reset temperature of bimetallic strip, the strip recovers rapidly and contact closes.

Features

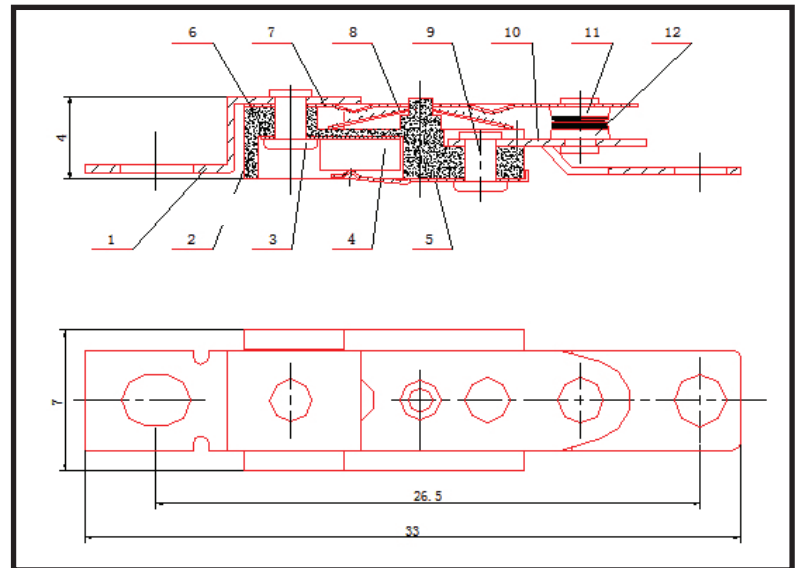
- Open Frame
- Limiter for connection / air sensing
- Quick temperature response
- Manual reset function w/o the push button
- Installment with bracket available for easy direct fixing

Applications

- Blowers
- Dehumidifiers
- Thermal radiation control
- Fan heaters
- Heating elements
- Appliances

Technical Parameters

- Switch Type : normally closed
- Operating Voltage/Current: AC250V/10A AC125V/16A
- Operating Temperature: 60-140°C (one step for every 5°C)
- Standard Tolerance: +/-5°C
- Reset Temperature: operating temperature decrease by 15-45°C
- Contact Closure Resistance: $\leq 50 \text{ m}\Omega$
- Insulation Resistance: $\geq 100 \text{ M}\Omega$
- Service Life: 10,000 times
- UL Approved



1. TERMINAL
2. BASE
3. LONG RIVET
4. PTC
5. PTC HOLDER
6. TERMINAL
7. SPRING ARM
8. BIMETAL
9. SHORT RIVET
10. STATIONARY PLATE
11. MOVEABLE CONTACT
12. STATIONARY CONTACT



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