

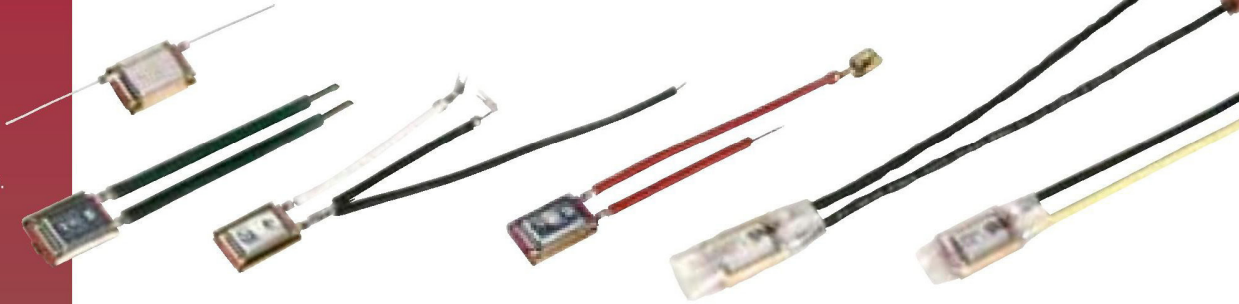
# Self-Hold 7AM Series Thermal Protectors

## Motor Protection FEATURES

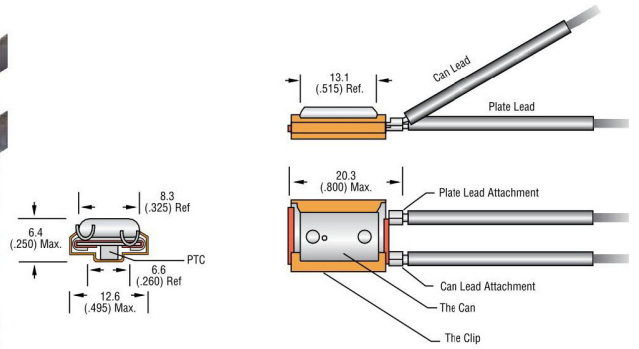
- Recognized component in UL product category XCSZ2, overheating protection for motors.
- Tested to UL standard 2111:
  - 18 day locked rotor test
  - limited short circuit test
  - 10 cycle locked rotor and 50 cycle endurance test
  - 0°C ambient test
- Miniature size.
- Reliable temperature performance over the life of the device.
- Both current and temperature sensitive for maximum design flexibility.
- Short lead time.
- Thermtrol will customize to your specifications by adding leads and terminals, or even a complete harness if desired.
- ROHS compliant.

## APPLICATIONS

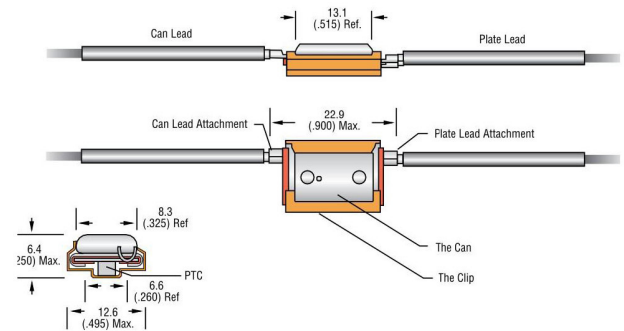
- Remote location motors
- Vacuum cleaner motors
- Submersible pump motors
- Fractional horsepower motors
- Can be used virtually anywhere an auto reset and/or a one shot protector is used!



Thermtrol's innovative Self-Hold 7AM thermal protector combines the protection of a Klixon® 7AM with a self-holding feature. Designed to prevent overheating in motors, the Self-Hold 7AM offers the best attributes of one shot protectors and auto reset protectors in a single package. The Self-Hold 7AM, once activated in a fault condition, maintains its open state until power is removed. No reset button here—simply remove power and the device will cool and reset. This inherent design feature adds an extra level of security over automatic reset devices of any type. It is the reliable, cost effective solution for numerous applications.



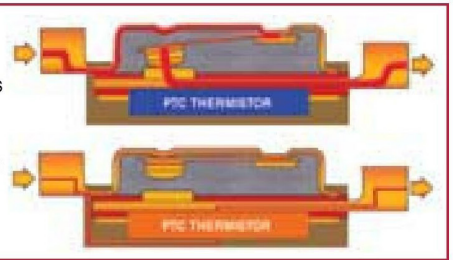
## Type A, Radial Lead Configuration



## Type B, Axial Lead Configuration

### Here's how the Self-Hold 7AM functions. . .

- Developed by Thermtrol, the Self-Hold 7AM is a Thermal Protector/PTC Heater combination. The PTC Heater is electrically located across the contacts of the protector.
- When the protector contacts are open, the heater is in series with the load. The heater then maintains the temperature sensitive bimetal of the protector in an open state.
- To reset the Self-Hold 7AM, power must be removed for sufficient time to allow the Self-Hold 7AM to cool to below the protector's reset point.



## Appliance Protection FEATURES

- Recognized component in UL product category XAPX2, temperature indicating and regulating equipment.
- Tested to UL standard 873.
- Miniature size.
- Reliable temperature performance over the life of the device.
- Both current and temperature sensitive for maximum design flexibility.
- Short lead time.
- Thermtrol will customize to your specifications by adding leads and terminals, or even a complete harness if desired.
- ROHS compliant ratings available.

## APPLICATIONS

- Countertop appliances
- Transformers
- Vacuum cleaners
- Medical equipment
- Lighting
- Battery chargers
- Welders

All dimensions mm (in.) Klixon® is a registered trademark of Sensata Technologies.