

1/2" Snap-Action Bimetallic Thermostat

This 1/2" snap-action thermostat is designed for temperature control applications. It utilizes a bimetallic disc for accurate temperature sensing and rapid switching.



ADDITIONAL IMAGES



Overview

High-Performance 1/2" Snap-Action Thermostat

This bimetallic thermostat is a versatile temperature control solution designed to replace TOD 36T series components. It features a reliable snap-action mechanism for rapid switching and precise regulation across a wide range of thermal management applications. With multiple electrical ratings and robust construction options, it provides maximum design flexibility for both heating and cooling systems.

Technical Specifications

KSD301A 1/2" (12.7mm) Series Snap-Action Temperature Controls

Similar to TOD Series 36T

Specifications

1. Electrical Ratings: AC120V 5A, 10A, 16A, AC250V 10A, 16A, 20A
2. OFF Temperature Range
 - a. Ceramic: -0°C ~ 250°C (-32F~ 482°F)
 - b. Bakelite: -30°C ~ 150°C (-22F~ 287°F)
3. Tolerance: Min \pm 2°C Standard \pm 5°C
4. A variety of terminal, switch case and mounting configurations are available for maximum design flexibility
5. NOTE: Please contact us to discuss specific custom requirements

Applications:

Boiler, Water Heater, Vacuum Cleaner, Copier, Electric Stove, Oven, Dryer, Refrigerator, Dish Washer, Air-Conditioning etc.

Approvals: **UL CQC TUV VDE CUL CE**

Electrical Ratings

Voltage (AC)	Current Options
120V	5A, 10A, 16A
250V	10A, 16A, 20A

OFF Temperature Range

Material	Celsius Range	Fahrenheit Range
Bakelite	-30°C to 150°C	-22°F to 287°F
Ceramic	0°C to 250°C	32°F to 482°F

Temperature Tolerance

2 \pm °C

Minimum Tolerance

5 \pm °C

Standard Tolerance

Design & Installation

Configuration Options

- Various terminal configurations
- Multiple switch case options
- Diverse mounting configurations

Form Factor

1/2" (12.7mm) Diameter

Compatibility

Replacement for TOD 36T series

Applications

Common Applications

Boiler, Water Heater, Vacuum Cleaner, Copier, Electric Stove, Oven, Dryer, Refrigerator, Dish Washer, Air-Conditioning, Heat Exchangers

Compliance & Safety

Certifications & Approvals

UL • CQC • TUV • VDE • CUL • CE