

MECHANICAL THERMOSTAT

The KSMT Mechanical Thermostat is designed to control the air temperature inside of enclosures and control panels. It can be used for enclosure heaters, cooling equipment (e.g. filter fans), or signal devices.

An integrated resistor (*RF*) can be connected to increase accuracy when these units are used with an enclosure heater.*

STANDARD FEATURES

- Wide adjustment range
- Available in °F or °C scale
- Change-over contact
- High switching capacity
- DIN rail mountable



Find additional information on this model at kooltronic.com, or use the Technical Documents QR code below.

Technical Documents



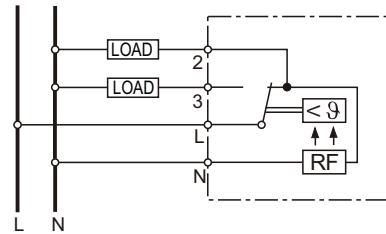
Model No.	Voltage	Adjustment range
KSMTF	120 VAC	50-140°F
KSMT	120 VAC	10-60°C
K2SMTF	230 VAC	50-140°F
K2SMT	230 VAC	10-60°C

TECHNICAL DATA

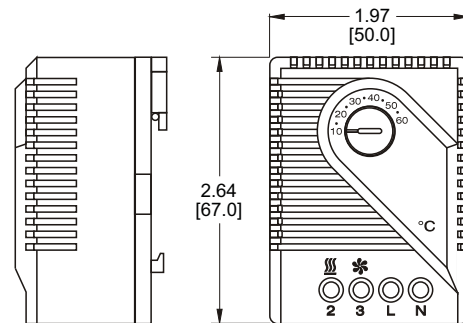
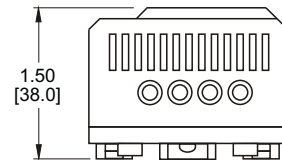
- Sensor element: Thermostatic bi-metal
- Switching difference: Approx. 4K (7.2°F), 0.5K (1°F) with RF
- Contact type: Change-over, snap-action contact
- Contact resistance: <10mΩ
- Maximum switching capacity: Break contact 10A res./4A ind. @ 250 VAC
Make contact 5A res./2A ind. @ 250 VAC
- EMI/EMC conformity: EN 55014-1-2, EN 61000-3-2, EN 61000-3-3
- Connections: 4-pole terminal for AWG 14 max. (2.5 mm²)
- Mounting: Clip for 35 mm DIN rail (EN 50022)
- Housing: Plastic, UL94V-0
- Weight: 3.5 oz (100 g)
- Protection type: IP 20
- Operating/storage temperature: -49 to 158°F (-45 to 70°C)

DRAWINGS

Dimensions, inches [mm], are for reference only and are subject to change.



- Connections:
- L + 2 = heating
 - L + 3 = cooling
 - N = temperature compensation



HOW TO ORDER

Specify model number.



* Optional connection of terminal "N" will cause the *RF* heating resistor to work, thus reducing the difference between actual enclosure temperature and the temperature reading inside the thermostat (switch-off temperature).

Specifications are subject to change without notice. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application.

ksmt.qxd (1/11/21) (CDR: 20293)