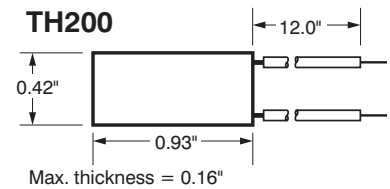
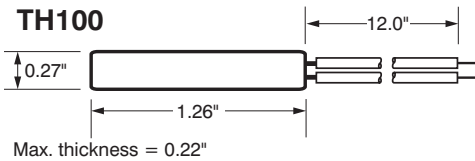
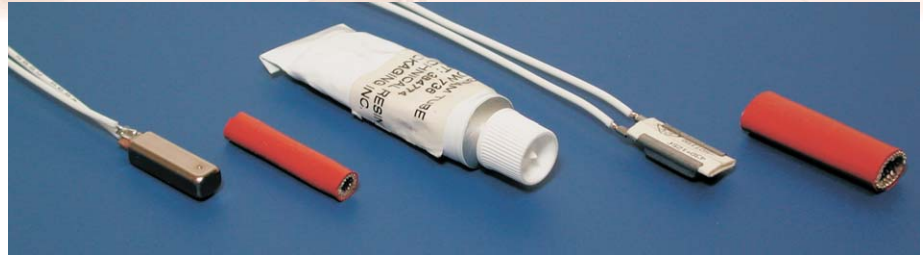


# Accessories

## Thermostats

Thermostats provide basic heater control at little cost. You can also use them as thermal cutoffs in conjunction with other control systems. All thermostats come with a 1.5" (38.1 mm) long, silicone rubber coated sleeve for electrical insulation (case is electrically live), and mounting adhesive.

These thermostats are ordered separately. For information on ordering heaters with factory installed thermostats contact Minco's Sales Department.



## Specifications

### Stock models:

TH100 creep action, 120 VAC maximum.  
TH200 snap action, 240 VAC maximum.

**Setpoint tolerance:** ±5°C (±9°F).

**Open/close differential:** 5 to 10°C, typical.

### Maximum current:

Model TH100: 6 amps at 120 VAC;  
8 amps at 12 VDC;  
4 amps at 24 VDC.

Model TH200: 4 amps at 240 VAC.

**Life rating:** 100,000 cycles.

**Approvals:** UL, CSA.

## How to order

TH100	<b>Model number: TH100 (creep action)</b>
T40	<b>Setpoint options:</b> 5°C, 20°C, 40°C, 60°C, 80°C, 100°C, 150°C, 200°C
TH100T40 ← Sample part number	
TH200	<b>Model number: TH200 (snap action)</b>
T80	<b>Setpoint options:</b> 60°C, 80°C, 100°C, 150°C
TH200T80 ← Sample part number	

## Pre-cut insulators

Trimmed to the same size as heaters, these pads provide thermal insulation to minimize heat loss. You can also place them between clamping plates and heaters for uniform pressure. Optional pressure sensitive adhesive (PSA) backing permits easy installation. It will not bond permanently and may be removed later without damaging the heater.

Material	Thickness	Temperature limit		R factor
		with PSA	no PSA	Uncompressed
Neoprene	0.125" (3.18 mm)	107°C	107°C	23.1 °C × m/W
Silicone rubber foam	0.125" (3.18 mm)	204°C	204°C	9.2 °C × m/W
Mica	0.010" (0.25 mm)	N/A	600°C	2.5 °C × m/W
Ceramic paper*	0.125" (3.18 mm)	N/A	600°C	11.5 °C × m/W

\* Every mica heater comes with two sheets of ceramic paper free of charge. Order extra sheets here.

You can estimate heat loss with the following formula:

$$\text{Heat loss (W)} = \frac{A(T_f - T_a)}{1000RL}$$

where:

- W = Watts of heat lost through insulation
- A = Heater area in square mm
- T<sub>f</sub> = Heat sink temperature in °C
- T<sub>a</sub> = Ambient temperature in °C
- R = R factor in °C × m/W
- L = Thickness of insulation in mm

## How to order

IN	<b>IN = Insulating pad</b>
5334	<b>Matching heater model number</b>
N1	<b>Material:</b> N1 = Neoprene R1 = Silicone rubber M1 = Mica C1 = Ceramic paper
B	<b>Pressure sensitive adhesive:</b> A = No PSA B = With PSA backing (N/A with ceramic or mica)
IN5334N1B ← Sample part number	

