

# PNEUMATICS & FITTINGS

## SINGLE AND DUAL SETPOINT PNEUMATIC ROOM THERMOSTATS T-4000 SERIES



### DESCRIPTION

The **Johnson Controls T4000 Series** pneumatic room thermostats provide individual space temperature control in all types of heating and cooling applications. By producing a proportional output signal, these thermostats modulate pneumatic valves and damper actuators in response to load changes in the space. A variety of high volume and low volume output thermostats are available to meet the functional requirements of any control system. The **T4000 Series** is provided in one- and two-pipe, dual temperature, horizontal, and vertical configurations.

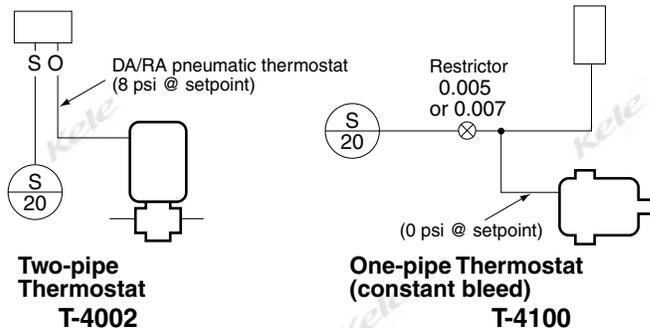
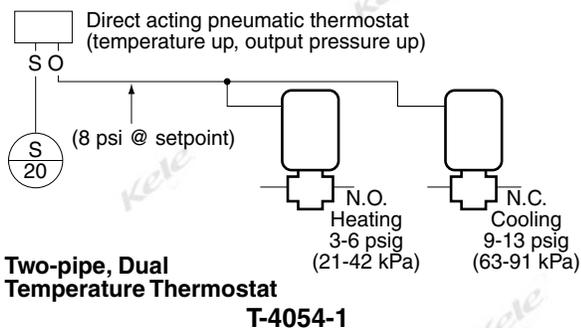
### FEATURES

- **Adjustable sensitivities and set points**
- **Individual set points on dual temperature thermostats**
- **Pneumatic feedback for greater accuracy**
- **Vibration and shock resistant**
- **Meets governmental and commercial requirements**
- **Single and dual bimetal sensing elements**
- **Optional all-metal covers**



T-4002-201  
T-4000-2141  
T-4002-124

### INSTALLATION



### SPECIFICATIONS

<b>Connections</b>	Barbs for 5/32" OD poly tubing
<b>Number of Pipes</b>	1 or 2 depending on model selected
<b>Sensor Element</b>	Bimetal
<b>Sensitivity</b>	
<b>T4002</b>	Adjustable from 0.75 to 4 psig/°F (9 to 50 kPa/°C)
<b>T4054/T4100</b>	Adjustable from 1 to 3 psig/°F (12 to 38 kPa/°C)
<b>Setpoint Range</b>	55° to 85°F (13° to 29°C)
<b>Setpoints</b>	
<b>T4002/T4100</b>	Single
<b>T4054</b>	Dual
<b>Remote Bulb</b>	No

<b>Air Consumption</b>	
<b>T4002</b>	20 scim (5 mL/s)
<b>T4054</b>	38 scim (10 mL/s)
<b>T4100</b>	25 or 45 scim (7 or 12 mL/s), depending on restrictor
<b>Operating Temperature</b>	-20° to 130°F (-29° to 54°C)
<b>Storage Temperature</b>	-20° to 150°F (-29° to 66°C)
<b>Maximum Operating Pressure</b>	25 psi (170 kPa)
<b>Dimensions</b>	2.1"H x 3.1"W x 1.8"D (5.3 x 8.0 x 4.5 cm)
<b>Weight</b>	0.4 lb (0.2 Kg)
<b>Mounting</b>	Wall
<b>Warranty</b>	1 year



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### ACCESSORIES

<b>Thermostat bracket</b>  <b>T-4002-124</b>	<b>Covers</b>  <b>T-4756-2141    T-4000-2145    T-4000-2141    T-4000-2138</b> <b>Horizontal/Vertical</b>			<b>Setpoint adjust knob</b>  <b>T-4002-5012†</b>
<b>Thermostat guards (metal)</b>  <b>T-4002-3004</b>	<b>Thermostat guards (wire)</b>  <b>T-4002-3000</b>	<b>Surface bracket for exposed tubing</b>  <b>T-4002-125</b>	<b>Flex allen screwdriver</b>  <b>JC5309</b>	<b>Retrofit cover plate</b>  <b>Included in T-4002-303, 304 (Not available by itself)</b>

### ORDERING INFORMATION

MODEL	TYPE	PROPORTIONAL ACTION	MOUNTING	REQUIRED ACCESSORIES	
				BRACKET	COVER
<b>T-4002-201*</b>	Single temperature Two-pipe	Direct	Horizontal	<b>T-4002-124</b>	<b>T-4000-2141</b> with setpoint
<b>T-4002-202*</b>	Single temperature Two-pipe	Reverse	Horizontal	<b>T-4002-124</b>	<b>T-4000-2141</b> with setpoint
<b>T-4002-203*</b>	Single temperature Two-pipe	Direct	Vertical	<b>T-4002-124</b>	<b>T-4000-2145</b> with setpoint
<b>T-4002-204*</b>	Single temperature Two-pipe	Reverse	Vertical	<b>T-4002-124</b>	<b>T-4000-2145</b> with setpoint
<b>T-4002-303</b> retrofit kit	Single temperature Two-pipe	Direct	Horizontal Vertical	Included in kit	Included in kit
<b>T-4002-304</b> retrofit kit	Single temperature Two-pipe	Reverse	Horizontal Vertical	Included in kit	Included in kit
<b>T-4054-1*</b>	Dual temperature Two-pipe	Direct	Horizontal Vertical	<b>T-4002-124</b>	<b>T-4756-2141</b> <b>T-4756-2145</b>
<b>T-4054-2*</b>	Dual temperature Two-pipe	Reverse	Horizontal Vertical	<b>T-4002-124</b>	<b>T-4756-2141</b> <b>T-4756-2145</b>
<b>T-4100-1</b>	Single temperature One-pipe	Direct	Vertical	Included	Included
<b>T-4100-2</b>	Single temperature One-pipe	Reverse	Vertical	Included	Included

† Must be ordered separately

\* Order **T-4000 Series** cover and **T-4002-124** mounting bracket separately when ordering these Johnson thermostats. Call Kele for white, nickel, or brass covers.

For other Johnson Controls pneumatic products, call Kele.