

T-4054m

# Energy Manager Heating-Cooling High Volume Output Thermostat

## Description

The T-4054 Heating-Cooling, Energy Manager Thermostat is a high volume output, with an adjustable deadband of 0 to 30°F (0 to 16°C) between heating and cooling set points.

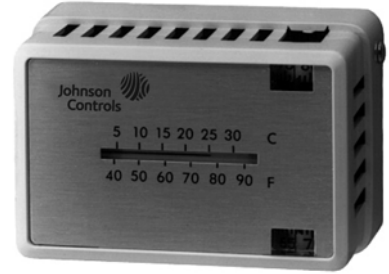
Refer to *T-4000 Series Pneumatic Room Thermostat Product Bulletin (LIT-7171060P)* for important product information.

## Features

- available in Direct Acting (DIR) and Reverse Acting (REV) models
- includes Fahrenheit dial
- mounts in vertical or horizontal position

## Repair Information

If the T-4054 Heating-Cooling, Energy Manager Thermostat fails to operate within its specifications, replace the unit. For a replacement thermostat, contact the nearest Johnson Controls® representative.



**T-4054 Heating-Cooling, Energy Manager Thermostat**

## Selection Charts

### T-4054 Thermostat<sup>1</sup>

Code Number	Description
T-4054-1	Direct Acting
T-4054-2	Reverse Acting

1. Order cover and mounting bracket separately.

### Commonly Used Accessories for T-4054 (Part 1 of 2)

Code Number	Description
T-4002-124	Room instrument mounting bracket for surface-mounting thermostats and covers; includes drywall clips, spacers, and mounting templates
T-4002-122	Terminal Connector, with two straight fittings for plug-in connection to 5/32 in. O.D. polyethylene tubing
T-4002-123	Terminal Connector, with angle fittings for surface mounted thermostats with exposed tubing
T-4002-5003	Restricted adjustment pin (100/kit) restricts adjustment of set point dial
T-4000-2138	Beige Plastic Cover, Horizontal or Vertical (no thermometer, no set point windows)
T-4000-2139	Beige Plastic Cover, Horizontal (no thermometer, no set point windows)
T-4000-3139	White Plastic Cover, Horizontal (no thermometer, no set point windows)
T-4000-2140	Beige Plastic Cover, Horizontal, thermometer (no set point windows)
T-4000-3140	White Plastic Cover, Horizontal, thermometer (no set point windows)
T-4756-2141	Beige Plastic Cover, Horizontal, 2 set point windows (no thermometer)
T-4756-1738	Beige Plastic Cover, Horizontal, 2 set point windows with thermometer

### Commonly Used Accessories for T-4054 (Part 2 of 2)

Code Number	Description
T-4000-2144	Beige Plastic Cover, Vertical (no thermometer, no set point windows)
T-4000-3144	White Plastic Cover, Vertical (no thermometer, no set point windows)
T-4756-2145	Beige Plastic Cover, Vertical, 2 set point windows (no thermometer)
T-4756-1739	Beige Plastic Cover, Vertical, 2 set point window with thermometer

Note: For additional accessories, refer to *T-4000 Series Accessories*.

## Technical Specifications

T-4054 Heating-Cooling, Energy Manager Thermostat	
<b>Sensitivity</b>	Adjustable from 1 to 3 psig/°F (12 to 38 kPa/°C) Factory set at approximately 2.5 psig/°F (32 kPa/°C)
<b>Flow Capacity</b>	400 SCIM (107 mL/s)
<b>Air Consumption</b>	38 SCIM (10 mL/s)
<b>Supply Pressure</b>	13 to 25 psig (91 to 175 kPa) Nominal 20 psig (140 kPa)
<b>Dial Range</b>	55 to 85°F (Two Dials)
<b>Air Connections</b>	Two (Supply and Output)
<b>Deadband</b>	Adjustable Deadband between 5 and 12 psig (35 to 84 kPa)