

T-4506

Dual Temperature Thermostat

Description

The T-4506 Thermostat is a high volume output, dual temperature, dual dial thermostat. The T-4506 provides individual day and night, or two set point temperature control.

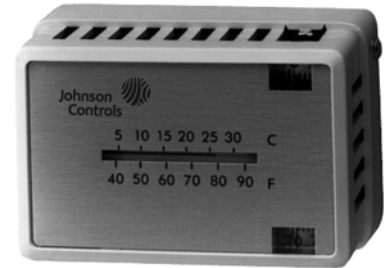
Refer to *T-4000 Series Pneumatic Room Thermostat Product Bulletin (LIT-7171060P)* for important product information.

Repair Information

If the T-4506 Dual Temperature Thermostat fails to operate within its specifications, replace the unit. For a replacement thermostat, contact the nearest Johnson Controls® representative.

Features

- available in Direct Acting (DIR) and Reverse Acting (REV) models
- includes Fahrenheit dial
- direct acting available in vertical or horizontal model
- reverse acting available in horizontal model
- available with optional manual indexing switch that permits you to restore the day temperature of the individual thermostat without affecting the other system thermostats
- Indexing switch can be unlatched manually or will automatically reset with the day cycle



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Selection Charts

T-4506 Dual Temperature Thermostat¹

Code Number	Description
T-4506-201	With Indexing Switch, Direct Acting, Horizontal Mounting
T-4506-202	With Indexing Switch, Direct Acting, Vertical Mounting
T-4506-209	With Indexing Switch, Reverse Acting, Horizontal Mounting
T-4506-203	Without Indexing Switch, Direct Acting, Horizontal Mounting
T-4506-204	Without Indexing Switch, Direct Acting, Vertical Mounting
T-4506-217	Without Indexing Switch, Reverse Acting, Horizontal Mounting

1. Order cover and mounting bracket separately.

Commonly Used Accessories for T-4506 (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-4002-5012	Adjusting knob kit provides a means of external setpoint adjustment
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)

Commonly Used Accessories for T-4506 (Part 2 of 2)

Code Number	Description
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
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-4506 Dual Temperature Thermostat	
Sensitivity	Adjustable from .75 to 4.0 psig/°F (9 to 50 kPa/°C) Factory set at approximately 2.5 psig/°F (32 kPa/°C)
Flow Capacity	400 SCIM (107 mL/s)
Air Consumption	20 SCIM (5 mL/s)
Supply Pressure	13 to 25 psig (91 to 175 kPa) Nominal Day 15 psig (105 kPa) Nominal Night 20 psig (140 kPa)
Dial Range	55 to 85°F (Two Dials)
Air Connections	Two (Supply and Output)
Special Feature	Optional Manual Indexing Switch