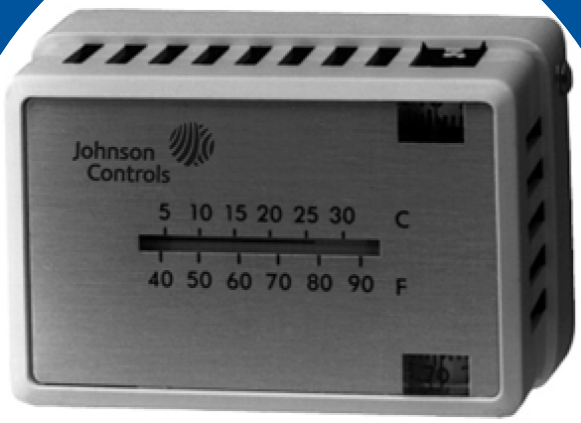
T-4506 Dual Temperature Thermostat Catalog Page

LIT-1921675

2020-03-18



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.

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

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.

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Selection charts

Table 1: T-4506 Dual Temperature Thermostat[1]

Code number	Description	
T-4506-201	With Indexing Switch, Switchover at 17 psig	Direct Acting, Horizontal Mounting
T-4506-202		Direct Acting, Vertical Mounting
T-4506-209		Reverse Acting, Horizontal Mounting
T-4506-203	Without Indexing Switch, Switchover at 17 psig	Direct Acting, Horizontal Mounting
T-4506-204		Direct Acting, Vertical Mounting
T-4506-217		Reverse Acting, Horizontal Mounting

1 Order cover and mounting bracket separately.

Table 2: Commonly Used Accessories for T-4506

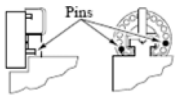
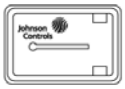
Code number		Description
T-4002-124		Room instrument mounting bracket for surface-mounting thermostats and covers; includes drywall clips, spacers, and mounting templates
T-4002-122		Terminal Connector, with two straight fittings for plug-in connection to5/32 in. O.D. polyethylene tubing
T-4002-123		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

Table 2: Commonly Used Accessories for T-4506

Code number		Description
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)
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

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Table 2: Commonly Used Accessories for T-4506

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

Table 3: T-4506 Dual Temperature Thermostat technical specifications

Code number	Description
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

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