Dual Temperature High Volume Output Thermostat Catalog Page

LIT-1921680

2020-01-08



Description

The T-4516 Thermostat is a high volume output, dual temperature, dual dial thermostat. The T-4516 provides individual day and night control, or weekend setback.

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

Features

- available in Direct Acting (DIR) model
- additional output air terminal which can be used as an on-off switchline pressure
- includes Fahrenheit dial
- available in vertical or horizontal model
- provided with an 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-4516 Dual Temperature High Volume Output 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-4516 Thermostat

Code Number	Description
T-4516-201	Direct Acting, Horizontal Mounting
T-4516-202	Direct Acting, Vertical Mounting

Note: Order cover and mounting bracket separately.

Table 2: Commonly Used Accessories for T-4516

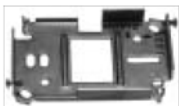
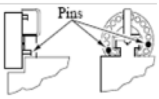
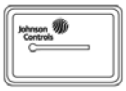
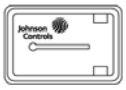
Code Number		Description
T-4002-124		Room instrument mounting bracket for surface-mounting thermostats and covers; includes drywall clips, spacers, and mounting templates
T-4512-100		Terminal Connector, with three straight fittings for plug-in connection to 5/32 in. O.D. polyethylene tubing
T-4002-5003		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)
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

Table 2: Commonly Used Accessories for T-4516

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-4516 Dual Temperature High Volume Thermostat technical specifications

Specification	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), Switchline Pressure 0 psig Nominal Night 20 psig (140 kPa), Switchline Pressure 20 psig
Dial Range	55 to 85°F (Two Dials)
Air Connections	Three (Supply, Output and Switchline)
Special Feature	Standard Manual Indexing Switch

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