T9000 Series High-Resolution Color Touch Screen Digital Room Thermostat with Integral Skyport Cloud Services Wi-Fi Catalog Page

LIT-1901014

2019-12-18



Description

The T9000 Series High-Resolution Color Touch Screen Digital Room Thermostats are multifunctional devices that offer a simple-to-use color touch screen user interface. These stand-alone digital room thermostats, with integral Skyport™ Cloud Services Wi-Fi, are designed to program and configure temperature control of a wide range of heating and cooling equipment in commercial or residential applications. Skyport™ Cloud Services are available through a standard web browser or a mobile application compatible with both Android® and Apple® devices. An integral humidity sensor in the T9100 and T9500 also enables the device to control humidification and dehumidification in addition to room temperature.

The high-resolution color touch screen on the room thermostats double as a digital picture frame. This at-a-glance, full-color, touch screen allows the user to easily see the room temperature and heating or cooling status. The aesthetically-pleasing touch screen enhances any decor using a number of preset themes. The user can also load up to 100 personalized photos as custom background wallpaper, or configure the photos as a slide show.

The T9000 Series Thermostats include an SD memory card input that reduces configuration time by making inputting and exporting data between digital room thermostats quick and easy. A Color Display Assistant application can be downloaded at no charge from the Johnson Controls® Thermostats homepage to upload photos, configure installation settings, program a time period schedule, and update the digital room thermostat firmware.

Integral runtime graphics available on the T9000 Series Thermostats provide energy usage information at the touch of a finger, allowing the user to evaluate energy

Johnson Controls

conservation options. A password protection capability enforces setpoint energy policies by preventing tampering with the digital room thermostat settings in public spaces. Multilingual display options provide a user interface in English, French, and Spanish.

Refer to the following documents for important product application information.

T9100 Commercial Digital Thermostat with Humidity Control and Integral Skyport Cloud Services Wi-Fi Owner's Manual and Installation Instructions (LIT-12012271)

T9180 Commercial Digital Thermostat and Integral Skyport Cloud Services Wi-Fi Owner's Manual and Installation Instructions(LIT-12012449)

T9500 Residential Digital Thermostat with Humidity Control and Integral Skyport Cloud Services Wi-Fi Owner's Manual and Installation Instructions (LIT-12012450)

T9580 Residential Digital Thermostat and Integral Skyport Cloud Services Wi-Fi Owner's Manual and Installation Instructions(LIT-12012451)

Features

- Integral Skyport Cloud Services Wi-Fi—Provides facility managers and end users with remote access to the digital room thermostat.
- Seven-Day Programmable Occupancy Schedule with Up to Three Occupied Periods Each Day—Reduces operating expenses by controlling the room based on occupant schedules.
- Local Equipment Runtime Trending—Provides easy access to energy usage information; shows how much energy was used to heat and/or cool over a 7-day period.
- Password Protection Capability—Enforces setpoint energy policies by preventing tampering with the digital room thermostat settings in public spaces.
- Multilingual Display Options—Provide a user interface in English, French, and Spanish.
- SD Memory Card Input—Reduces configuration time by making inputting and exporting data between digital room thermostats quick and easy.
- Configurable Alerts—Send messages to the digital room thermostat when certain conditions occur, such as when the room temperature exceeds a user-specified value.

Repair Information

If the T9000 High-Resolution Color Touch Screen Digital Room Thermostat fails to operate within its specifications, replace the unit. For a replacement digital room thermostat, contact the nearest Johnson Controls representative.

Johnson Controls

Selection Chart

Table 1: T9000 Series Selection Chart

Product Code Number	Description
T9100	Commercial high-resolution color touch screen digital room thermostat with humidity control and integral Skyport Cloud Services Wi-Fi
T9180	Commercial high-resolution color touch screen digital room thermostat and integral Skyport Cloud Services Wi-Fi
T9500	Residential high-resolution color touch screen digital room thermostat with humidity control and integral Skyport Cloud Services Wi-Fi
T9580	Residential high-resolution color touch screen digital room thermostat and integral Skyport Cloud Services Wi-Fi
ACC-WALLPLT	Plastic backplate for surface mounting the T9000 Series High-Resolution Color Touch Screen Digital Room Thermostats
ACC-RSEN	Remote temperature sensor for the T9000 Series High-Resolution Color Touch Screen Digital Room Thermostats
ACC-RSEN-OVR	Remote temperature sensor with manual override for the T9100 and T9180 High-Resolution Color Touch Screen Digital Room Thermostats

Table 2: Residential versus Commercial Digital Room Thermostat Features

Feature	T9100 and T9180 Series Commercial Models	T9500 and T9580 Series Residential Models
Simple-Stat Operation	-	X
Dual Fuel Capable	-	X
Programmable Smart Fan	-	X
Home/Away Feature	-	X
365-Day Holiday/Vacation Scheduler	X	-
Fan Purge Feature	X	-
Override Function	X	-
Switchable Programmable or Non-Programmable Function	X	X
Up to Four Heating and Two Cooling Stages	X	X
Gas Electric or Heat Pump Control	X	X
Independently Adjustable Timers and Deadbands for All Stages of Heating and Cooling	X	X
Outdoor or Remote Temperature Sensing Capability	X	X
Customizable Screensaver	X	X
Customizable Wallpaper	X	X
Weather Forecast Display When Connected to Skyport Cloud Services	X	X
Smart Recovery	X	X
Integral Wi-Fi	X	X
Languages: English, French, and Spanish	X	X
California Title 24 Compliant	X	X
API Third-party Monitor and Control	X	X

Johnson Controls

Technical Specifications

Table 3: T9000 Series High-Resolution Color Touch Screen Digital Room Thermostat with Integral Skyport Cloud Services Wi-Fi

Specification		Description
Power Requirements		20 to 30 VAC, 50/60 Hz, 4.8 VA at 24 V nominal
Output Rating		W1, W2, W3 = 0.2 A maximum, 0.01 A minimum, 3 A inrush, 20 to 30 VAC; Y1, Y2, G = 0.4 A maximum, 0.01 A minimum, 3 A inrush, 20 to 30 VAC
Local Temperature Sensor Type		10k ohm negative temperature coefficient (NTC) thermistor at 77°F (25°C)
Remote Temperature Sensor Type		10k ohm NTC thermistor at 77°F (25°C)
Wire Size		16 AWG (100 ft [30.5 m] maximum) to 24 AWG (36 ft [11 m] maximum)
Temperature Adjustment Range		35 to 99°F (2 to 37°C)
Accuracy		35 to 65°F ±3F° (2 to 18°C ±1.8C°), greater than 65 to less than 80°F ±2F° (18 to less than 27°C ±1.2C°); 80 to 99°F ±3F° (27 to 37°C ±1.8C°), greater than 99 to 104°F ±5F° (37 to 40°C ±3C°)
Humidity Control		±10% RH from 30 to 70% RH, 50 to 90°F (10 to 32°C)
Deadband		Adjustable 1 to 6 degrees first stage; Adjustable 0 to 10 degrees second and third stages
Ambient Conditions	Operating	35 to 104°F (2 to 40°C), 5 to 95% RH noncondensing, 86°F (30°C) maximum dew point
	Storage	-22 to 122°F (-30 to 50°C), 5 to 95% RH noncondensing, 86°F (30°C) maximum dew point
Compliance		UL/cUL Listed, File E107041, NEC Class 2
Dimensions		4 in. H x 5-3/16 in. W x 1-3/32 D (102 mm H x 132 mm W x 28 mm D)
Shipping Weight		0.75 lb (0.34 kg)

© 2019 Johnson Controls. All rights reserved. All specifications and other information shown were current as of document revision and are subject to change without notice.
www.johnsoncontrols.com

Johnson Controls