T5000-E LCD Digital Fan Coil Thermostat

Product Bulletin

T5000 LCD Digital Fan Coil Thermostats are designed to control heating, cooling, or year round air conditioning unit in Commercial, Industrial and Residential Installation.

Typical Application includes the control of fan coil units, packaged terminal air conditioners and combination heating and cooling equipment. As part of the system that consists of a two-way or three-way valve and a multispeed line voltage fan.

These aesthetic design thermostat features with Backlit Liquid Crystal Display (LCD); an attractive white color in a compact size complements any decor. The thermostat does not require any battery backup as setpoint and other parameters are stored in nonvolatile memory. The intuitive operation makes the thermostat very user-friendly.



■ Backlit Liquid Crystal Display (LCD)

- Industrial Standard Graphical Symbol to eliminate native language interface
- Offer Easy-to-Read Real-time control status of the environment, Graphical messages with constant backlight that brightens during user interaction

5 Function Key

- Easy-to-Use Interface Keys allow for easy commissioning and adjustment
- All-in-One location function keys, Simplified user to change the setpoint and parameter
- Molded Industrial Standard Graphical Symbol

Appearance

- Attractively-Style Twin-Ring Streamline ABS Plastic Cover and Base
- All-in-One Enclosure Design without Protrusion of Power Circuit

Energy Saving

- Features with Unoccupied Function
- Requires no batteries; EEPROM retains the last events and parameter settings after a loss of power

■ Installation, Service and Maintenance

- Universal Mounting with Standard Wall Box
- Quick Replacement to reduce to Downtime of Service Maintenance



Function

Item	Description	T5200-TB-9JS0-E	T5200-TF-9JS0-E
User-interface	Backlight (Blue)		
	EN/Icon		
	°C & °F Changeable		•
Energy Saving	Ventilation Mode	•	•
	Setpoint Limit		
	Occupied contact with NO/NC options	•	
	Unoccupied setpoints		
	Low fan in unoccupancy	•	
Other Functions	Timer on/off		•
	Display setpoint only		
	Anti-freezing		
	Key Lock		•
	Display temperature calibration		
Certificate	CE	•	



Product Overview

IMPORTANT:



Use this T5000 Series Line Voltage Fan Coil Thermostat only as n operating control. Where failure or malfunction of the T5000 Series Thermostat could lead to personal injury or property damage to the controlled equipment or other property, additional precautions must be designed into the system.

Incorporate and maintain other devices such as supervisory or alarm systems or safety or limit controls intended to warn of, or protect against, failure or malfunction of the T5000 Series Thermostat.

T5000 are line voltage LCD display fan coil thermostat with 3-basic models that cover all type of FCU standalone applications. There are model for cooling only, heating only and heating-cooling fan coil system integrate with 2-Wire or 3-Wire Valve Control. On-board high accuracy NTC sensor allows precision comfort control over occupied space area. 88 x 88 mm size allows for 75 x 75 x 35 mm standard wall box installation.

Model T5200-TB-9JS0

The Model T5200-TB-9JS0 is line voltage LCD display (with Backlit) fan coil unit thermostat that design for cooling or heating fan coil unit with 2-wire valve actuator application. Integral with System On/Off button that allows user to shutdown the T5000 and cutoff the output power for fan (cutoff the Output power for Valve Actuator). Simply pressing the fan speed button, allows user selection of Auto-High-Med-Low fan speed. All fan output by relay that can withstand max. of 5 Amp (Res.) operating current.

The T5000 thermostats come with 12-hours timer that allows user to schedule On-Time or Off-Time for the fan coil depending user needs.

Additional Dry-contact for Occupancy mode that allows better comfort control and to achieve energy cost saving.

Model T5200-TF-9JS0

The Model T5200-TF-9JS0 is line voltage LCD display (with Backlit) fan coil unit thermostat that design for cooling and heating fan coil unit (4-Pipe system) with 2-wire valve actuator application. Integral with System On/Off button that allows user to shutdown the T5000 and cutoff the output power for fan (cutoff the Output power for Valve Actuator). Simply pressing the fan speed button, allows user selection of Auto-High-Med-Low fan speed. All fan output by relay that can withstand max. of 5 Amp (Res.). operating current.

The T5000 thermostats come with 12-hours timer that allows user to schedule On-Time or Off-Time for the fan coil depending user needs.



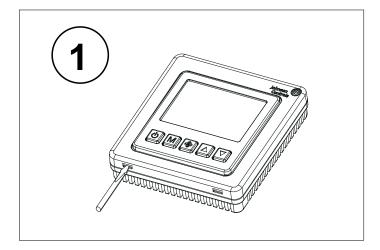
Repair and Replacement

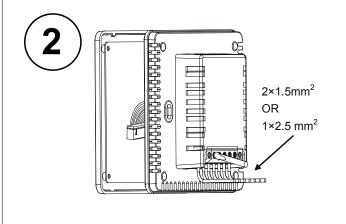
If the thermostat fails to operate within its specifications, replace the unit. To order the replacement, refer to the Order Information section.

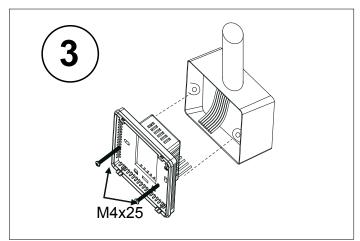
To order the replacement T5000 Series thermostat, contact the nearest Johnson Controls® representative. Specify the desired product code number from "Ordering Codes" Table .

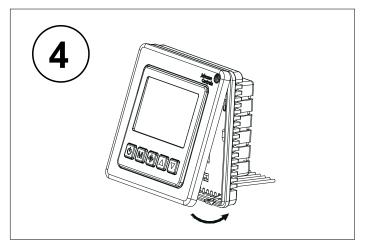
Installation

T5000 thermostats allows for 75 x 75 x 35 mm standard wall box installation.



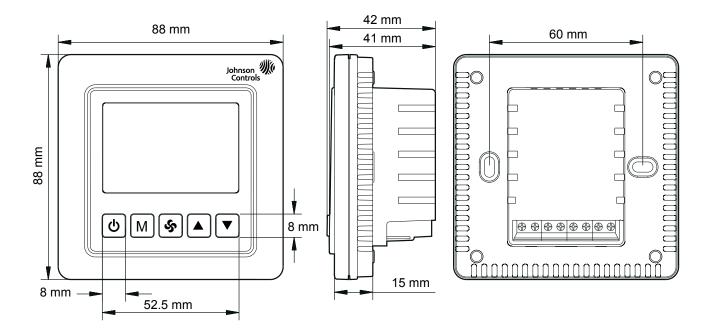




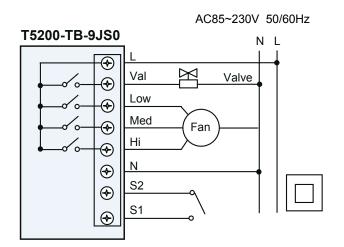


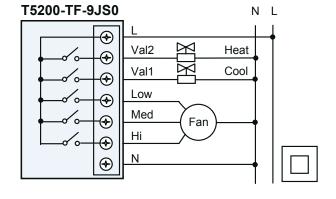


Dimensions



Wirings





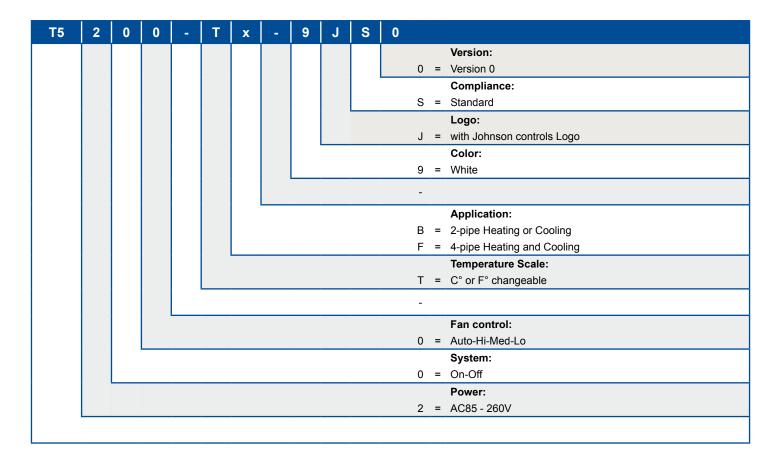
AC85~230V 50/60Hz

T5200-TB-9JS0-E

T5200-TF-9JS0-E



Ordering Codes





IMPORTANT:

The power supply to the thermostat must include overload protection. Failure to include overload protection may result in damage to the thermostat.



Technical Specifictions T5000 LCD Digital Fan Coil Unit Thermostat

Actuator Models	T5200-TB-9JS0 Backlit LCD 2-pipe Cooling / Heating FCU Thermostat with Occupancy Contact	T5200-TF-9JS0 Backlit LCD 4-pipe Cooling / Heating FCU Thermostat	
Power Requirements	AC85-260V, 50/60 Hz		
Accuracy	±1 °C		
Display Range	0 to 55 °C		
Setpoint Range	10 to 30 °C		
Unoccupied Mode	External Voltage-Free Contact Input Signal		
Termination	Screw terminals		
Valve Control	1 x Single-Pole, Single Trow (SPST), 5A at 250 VAC (Max.); Relay Output	2 x Single-Pole, Single Trow (SPST), 5A at 250 VAC (Max.); Relay Output	
Fan Control	3 x Single-Pole, Single Trow (SPST), 5A(Res.) at 250 VAC (Max.); Relay Output for Hi-Med-Low Fan		
Ambient Operating Conditions	0 to 45 °C 90% Non-condensing RH		
Ambient Storage Conditions	-10 to 60 °C 90% Non -condensing RH		
Housing Material	PC: UL 94-V0		
Protection Class	IP20		
Dimensions in mm	88 x 88 x 42 mm		
Shipping Weight	approximately: 206 g		
Shipping Weight Compliance	approximatel Johnson Controls, Inc., declares that this product is in other relevant provisions of the EMC Directive 2004/	n compliance with the essential requirement	



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