

T7200 LCD Thermostat

T7200-TB20-9J00, T7200-TB20-9J0B, T7200-TB21-9JS0, T7200-TF20-9JS0
T7200-TF20-9JS1, T7200-TB21-9JS1

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Designed to control heating and cooling through air conditioning unit in commercial and residential application

Typical applications include the control of fan coil units, floor heating, packaged terminal air conditioners and combination of heating and cooling equipment. As part of the system, T7200 series thermostat can control two-way or three-way valve and multiple-speed line voltage fan or ECM fan.

T7200 features with large LCD screen that displays the status of work mode (cooling, heating, air venting, floor heating), fan speed, indoor temperature and set point etc.

Features and Benefit

Large backlit LCD

LCD is larger than 40% of front area, provide real time status of the environment with intuitive and clear user interface

New installation method

New method without opening T7200 cover during installation, avoids the risk of components damage by screwdriver

Remote sensor

New models support remote sensor, which has significant improvements to simple AHU and hotel applications. Enhancing the user experience and achieving energy efficiency.

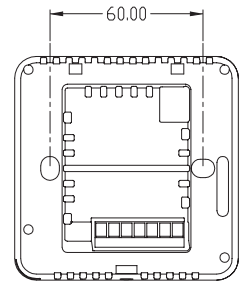
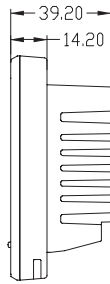
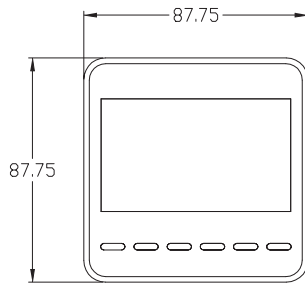
EEPROM storage of data

Thermostat retains the last events and parameter settings after power loss.

Push button for user operation

User can change working mode, temperature set point and fan speed via push buttons, easy for operation

Product dimensions



T7200 series thermostat product number and applications

Product number	Application	Fan control	Valve control	Others control	Input
T7200-TB20-9J00	2-pipe FCU, On/Off valve	3-speed Fan	1 On/Off Valve		
	Floor heating			1 Floor Heating	
T7200-TB20-9J0B (Bulk MOQ36pcs)	2-pipe FCU, On/Off valve	3-speed Fan	1 On/Off Valve		
	Floor heating			1 Floor Heating	
T7200-TF20-9JS0	2-pipe FCU, On/Off valve	3-speed Fan	1 On/Off Valve		1 BI, Occupancy
	4-pipe FCU, On/Off valve	3-speed Fan	2 On/Off Valves		
	2-pipe FCU, 3-wire On/Off valve	3-speed Fan	1 3-wire On/Off Valve		
	2-pipe FCU with floor heating, On/Off valve	3-speed Fan	1 On/Off Valve	1 Floor Heating	
	2-pipe FCU with TiO2/ESP, On/Off valve	3-speed Fan	1 On/Off Valve	1 TiO2/ESP	
	Water source heat pump	3-speed Fan		1 Compressor 1 Revert Valve	
T7200-TB21-9JS0	2-pipe FCU, ECM fan, On/Off valve	ECM fan	1 On/Off Valve		1 BI, Occupancy
	4-pipe FCU, ECM fan, On/Off valve	ECM fan	2 On/Off Valve		
	2-pipe FCU, ECM fan, 3-wire On/Off valve	ECM fan	1 3-wire On/Off Valve		
	2-pipe FCU, ECM fan with TiO2/ESP, On/Off valve	ECM fan	1 On/Off Valve	1 TiO2/ESP	
	2-pipe FCU, ECM fan with floor heating, On/Off valve	ECM fan	1 On/Off Valve	1 Floor Heating	
	Water source heat pump	ECM fan		1 Compressor 1 Revert Valve	
	Single speed AHU	1-speed Fan	1 Proportion Valve	1 On/Off Damper	
	2-pipe FCU, Prop valve	3-speed Fan	1 Proportion Valve		
T7200-TF20-9JS1 (new model)	2-pipe FCU, On/Off valve	3-speed Fan	1 On/Off Valve		1 BI, Occupancy 1 Remote sensor
	4-pipe FCU, On/Off valve	3-speed Fan	2 On/Off Valves		
	2-pipe FCU, 3-wire On/Off valve	3-speed Fan	1 3-wire On/Off Valve		
	2-pipe FCU with floor heating, On/Off valve	3-speed Fan	1 On/Off Valve	1 Floor Heating	
	2-pipe FCU with TiO2/ESP, On/Off valve	3-speed Fan	1 On/Off Valve	1 TiO2/ESP	
	Water source heat pump	3-speed Fan		1 Compressor 1 Revert Valve	
T7200-TB21-9JS1 (new model)	2-pipe FCU, ECM fan, On/Off valve	ECM fan	1 On/Off Valve		1 BI, Occupancy 1 Remote sensor
	4-pipe FCU, ECM fan, On/Off valve	ECM fan	2 On/Off Valve		
	2-pipe FCU, ECM fan, 3-wire On/Off valve	ECM fan	1 3-wire On/Off Valve		
	2-pipe FCU, ECM fan with TiO2/ESP, On/Off valve	ECM fan	1 On/Off Valve	1 TiO2/ESP	
	2-pipe FCU, ECM fan with floor heating, On/Off valve	ECM fan	1 On/Off Valve	1 Floor Heating	
	Water source heat pump	ECM fan		1 Compressor 1 Revert Valve	
	Single speed AHU	1-speed Fan	1 Proportion Valve	1 On/Off Damper	
	2-pipe FCU, Prop valve	3-speed Fan	1 Proportion Valve		

IMPORTANT: The T7200 series LCD thermostat is intended to provide and input to equipment under nor-mal operating conditions. Where failure or malfunction of the thermostat could lead to personal injury or property damage to the controlled equipment or other property, additional precautions must be designed into the control 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 thermostat.

Technical specifications

T7200 series Standalone LCD thermostat

Supply Voltage	100-240 VAC 50/60 Hz
Power consumption	Max. 5VA
Terminations	Screw terminal block
AO output (ECM Fan, Proportion Valve)	0-10VDC output, up to 20mA
Relay output (Fan, Valve, Tio2 and etc.)	relay (SPST) output, 2.2A(I _R), cosφ 0.98; 3.6A (I _X), cosφ 0.98; 5A(Resistive)
BI input	Dry contact signal
Remote sensor	Support JCI 10K NTC type, e.g. TE-636S-1; China 10K NTC type, SA1200-002
Wire size	Screw terminal block: 1.0-1.5mm ² rigid conductor for 5mm connector; 0.14-1.5 mm ² rigid conductor for 3.5mm connector
Mounting	Flush-mounted
Temperature measurement range	0 to 49°C (32 to 99°F)
Temperature accuracy	1°C (2°F)
Default temperature set point range	5.0°C to 35.0°C in 0.5°C increments
Ambient conditions	Operating: 0 to 40°C (32 to 104°F), 10 to 90% RH, noncondensing, 29°C (85°F) maximum dew point
	Storage: -20 to 60°C (-4 to 140°F), 5 to 95% RH, noncondensing
Protection class	IP20
Pollution degree	2
Heat and fire resistance category	D
Temperature for ball pressure test	125°C
Limitation of operating time	Continuous
Product category	Type 1.B P42(74)
Shipping weight	Approx 300g
Compliance	CE mark
	RCM mark, Australia/NZ emissions compliance
	RoHS, REACH, WEEE

Note

1. User can configure one model to different applications by parameter setting
2. I_R is steady-state current of FCU motor, and I_X is transient current of FCU motor
3. T7200-TB20-9J00 and T7200-TB20-9J0B don't have remote sensor input and binary input;
T7200-TF20-9JS0 and T7200-TB21-9JS0 only have binary input
4. T7200- TF20-9JS1 and T7200-TB21-9JS1 have remote sensor input and binary input, remote sensor needs to be ordered separately.

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