T7200 LCD Thermostat

Product Bulletin

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

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The T7200 series LCD thermostats are designed to control heating and cooling through air conditioning unit in commercial and residential application.

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.

Table 1: Features and Benefits

Features	Benefits
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
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

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.

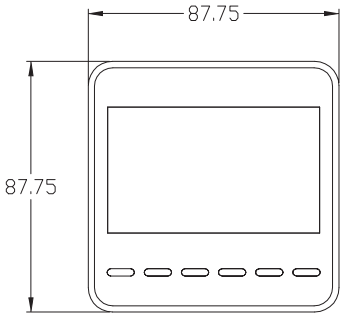
Table 2: T7200 series thermostat product code number and corresponding application

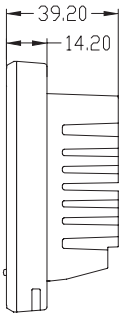
Product code number	Application	Valve control	Others control	Fan control	Package
T7200-TB20-9J00	2-pipe FCU,relay valve	"1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	N/A	"3 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	Individual
	Floor heating	N/A	"Floor heating 1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	N/A	
T7200-TB20-9J0B	2-pipe FCU,relay valve	"1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	N/A	"3 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	Bulk (MOQ 36pcs)
	Floor heating	N/A	"Floor heating 1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	N/A	
T7200-TF20-9JS0	2-pipe FCU,relay valve	"1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	N/A	3 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98	Individual
	4-pipe FCU,relay valve	"2 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	N/A		
	2-pipe FCU,3-wire relay valve	"2 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	N/A		
	2-pipe FCU with TiO2/ ESP,relay valve	"1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	"TiO2/ESP 1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"		
	2-pipe FCU with floor heating,relay valve	"1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	"Floor heating 1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"		
	Water source heat pump	"1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	"Reversing valve 1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"		
T7200-TB21-9JS0	2-pipe FCU,relay valve	"1 x relay (SPST) output, 2.2A (IR), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	N/A	ECM fan 1 x 0-10VDC output 1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98	
	4-pipe FCU,relay valve	"2 x relay (SPST) output, 2.2A (IR), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	N/A		
	2-pipe FCU,3-wire relay valve	"2 x relay (SPST) output, 2.2A (IR), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	N/A		
	2-pipe FCU with TiO2/ ESP,relay valve	"1 x relay (SPST) output, 2.2A (IR), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	"TiO2/ESP 1 x relay (SPST) output, 2.2A (IR), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"		
	2-pipe FCU with floor heating,relay valve	"1 x relay (SPST) output, 2.2A (IR), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	"Floor heating 1 x relay (SPST) output, 2.2A (IR), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"		
	Water source heat pump	"1 x relay (SPST) output, 2.2A (IR), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	"Reversing valve 1 x relay (SPST) output, 2.2A (IR), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"		
	Single fan speed AHU	1 x 0-10VDC output, match 100k ohms actuator impedance	"Damper 1 x relay (SPST) output, 2.2A (IR), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	"1 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	
	2-pipe FCU,proportional valve	1 x 0-10VDC output, match 100k ohms actuator impedance	N/A	"3 x relay (SPST) output, 2.2A (I_R), cosΦ 0.98; 3.6A (I_X), cosΦ 0.98"	

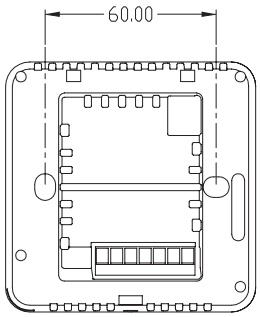
Note

1. User can configure one model to different applications by parameter setting
2. I_R is steady-state current of FCU motor, and IX 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

Product dimensions







Technical specifications

Supply Voltage	100-240 VAC 50/60 Hz
Power consumption	Max. 5VA
Terminations	Screw terminal block
Wire size	Screw terminal block: 1.0-1.5mm² rigid conductor for 5mm connector; 0.14-1.5 mm² rigid conductor for 3.5mm connector
Mounting	Flush-mounted
Temperature measurement range	0 to 49 (32 to 99°F)
Temperature accuracy	1 (2°F)
Default temperature set point range	5.0 to 35.0 in 0.5°increments
Ambient conditions	Operating: 0 to 40 (32 to 104°F), 10 to 90% RH, noncondensing, 29 (85°F) maximum dew point
	Storage: -20 to 60 (-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
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