



# T7000e LCD Thermostat

## T7300, T7700

# T7000e Series LCD Thermostat

## T7300, T7700

T7000e series are designed for cooling, heating through air conditioning in commercial, industrial, hotel, hospital, and residential applications.



### Aesthetic design

Large LCD display screen, sensitive push buttons, curved edges and ultra-thin body



### Energy saving

High standard control of ECM fans and modulating valves to reduce motor's energy consumption and make the environment more comfortable.



### Efficient operation

All models support two/three wire valves and remote sensor functions, improves user experience in diverse applications.



### Easy installation

A brand-new solution without opening thermostat cover during installation, avoids the risk of components damage by screwdriver.



### Comfortable and healthy

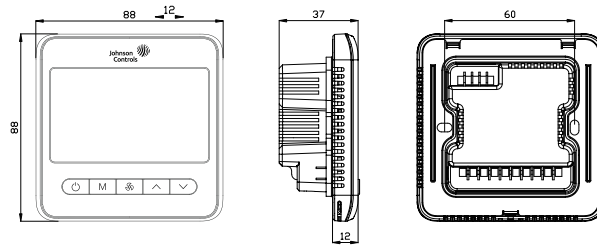
Support the collaborative work of air purification unit such as TiO<sub>2</sub>/ESP to improve indoor air quality.



### Intelligent control

Support multiple operating modes including cooling, heating, ventilation and occupancy (eco) mode. Some models support Modbus RTU communication protocol that can be connected to the building automation system, achieves the best room climate control.

## Product dimensions (mm)



## T7000e series thermostat models and applications

Models	FCU type	Fan control	Valve control	Other control	Power supply	Communication
T7300-TF60-9KSO	2-pipe	3-speed fan	2/3-wire on/off valve	TiO <sub>2</sub> /ESP	110~240VAC	
	4-pipe	3-speed fan	2/3-wire on/off valve	TiO <sub>2</sub> /ESP		
T7700-TF60-9KSO	2-pipe	3-speed fan	2/3-wire on/off valve	TiO <sub>2</sub> /ESP	110~240VAC	Modbus RTU
	4-pipe	3-speed fan	2/3-wire on/off valve	TiO <sub>2</sub> /ESP		
T7300-TF60-9MSO	2-pipe	ECM fan	2/3-wire on/off valve	TiO <sub>2</sub> /ESP	110~240VAC	
	2-pipe	3-speed fan	Modulating valve			
	2-pipe	ECM fan	Modulating valve	TiO <sub>2</sub> /ESP		
	4-pipe	ECM fan	3-wire on/off valve			
	4-pipe	ECM fan	2-wire on/off valve	TiO <sub>2</sub> /ESP		
	4-pipe	3-speed fan	Modulating valve			
T7700-TF60-9MSO	2-pipe	ECM fan	2/3-wire on/off valve	TiO <sub>2</sub> /ESP	110~240VAC	Modbus RTU
	2-pipe	3-speed fan	Modulating valve			
	2-pipe	ECM fan	Modulating valve	TiO <sub>2</sub> /ESP		
	4-pipe	ECM fan	3-wire on/off valve			
	4-pipe	ECM fan	2-wire on/off valve	TiO <sub>2</sub> /ESP		
	4-pipe	3-speed fan	Modulating valve			
T7300-TF61-9MSO	2-pipe	ECM fan	2/3-wire on/off valve	TiO <sub>2</sub> /ESP	24VAC	
	2-pipe	3-speed fan	Modulating valve			
	2-pipe	ECM fan	Modulating valve	TiO <sub>2</sub> /ESP		
	4-pipe	ECM fan	3-wire on/off valve			
	4-pipe	ECM fan	2-wire on/off valve	TiO <sub>2</sub> /ESP		
	4-pipe	3-speed fan	Modulating valve			

Note:

1. All models support remote sensor or BI/occupancy features
2. User can configure one model to different applications by parameter setting
3. Remote sensor need to be ordered separately

IMPORTANT: The T7000 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 T7000e series LCD thermostat

Power Supply	AC110-240V(±10%) 50/60 Hz AC24V(±10%) 50/60 Hz
Ambient conditions	Operating: 0~50°C (32~99 °F ), 5~90%RH, non-condensing Storage: -30~60°C (-22~140 °F ), 5~90%RH, non-condensing
Temperature measurement range	5~35°C (41~95 °F )
Temperature display accuracy	±0.5°C (±0.5 °F)
Temperature measurement accuracy	±1°C (±2 °F )
Analog output (ECM Fan, Proportion Valve)	0-10VDC output, up to 20mA
Relay output	Fan: Inductive: 2.2A cos φ 0.98(Inrush 3.6A cos φ 0.98) Resistive: 5A Valve: 2(0.6)A
BI input	Dry contact signal
Remote sensor	Support 10K NTC type, SA1200-002
Wiring connection	Screw terminal block: 0.13-1.3mm <sup>2</sup> rigid conductor for 5mm connector; 0.2-0.8 mm <sup>2</sup> rigid conductor or flexible conductor with terminal lugs for 3.5mm connector
Mounting	Flush-mounted
Compliance	CE, RCM, RoHS, WEEE
Protection class	IP20

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#### AUSTRALIA

38 South St,  
Rydalmere,  
NSW 2116, Australia

#### HONG KONG

11/F & 12/F,  
Millennium City 6,  
392 Kwun Tong Road,  
Kwun Tong,  
Kowloon, Hong Kong

#### INDONESIA

Wisma 77, 16th Floor,  
Jl. S. Parman Kav. 77,  
Slipi,  
Jakarta 11410,  
Indonesia

#### MALAYSIA

Luxor Tech Centre,  
Level 2,  
No. 1A, Jalan  
Teknologi, Taman  
Sains Selangor 1, Kota  
Damansara, PJU 5,  
47810 Petaling Jaya,  
Selangor Darul Ehsan,  
Malaysia

#### SINGAPORE

31 International  
Business Park Road,  
#03-03, Lobby D & E,  
Singapore 609921

#### KOREA

34, Mareunnae-ro,  
Jung-gu,  
Seoul, 04555, Korea

#### THAILAND

Rama 9 Road, 719 KPN  
Tower,  
8th Floor, Bangkapi,  
Huaykwang,  
Bangkok, 10310  
Thailand

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