Digital Floating Control Thermostat

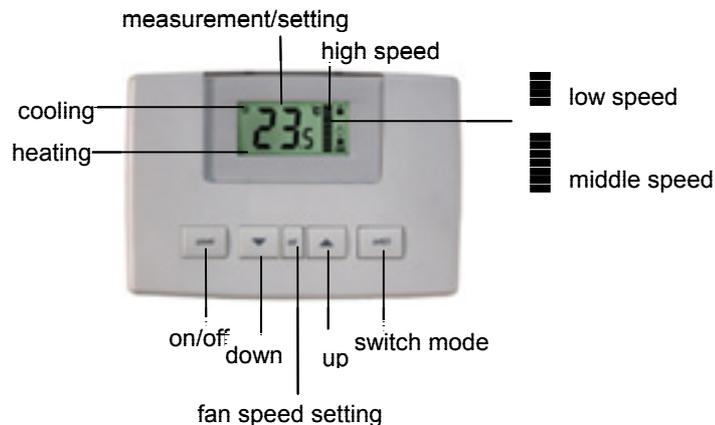## F2000PS-F3 SERIES
Non-Programmable Thermostat

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The digital thermostat provides proportional-integral(PI) individual room temperature control with tri-state (floating) proportional control in zoned commercial heating, ventilation, and air conditioning systems.

□ Features

- ◆ PID (proportional and integral) control action provides accurate, stable room temperature control.
- ◆ LCD can display working status such as room temperature, set point, device mode, etc. Makes reading and operating easy and accurate.
- ◆ All models feature user-friendly setting buttons
- ◆ Different models for different floating control system such as FCU systems with a single fan or 3-speed fan and a aux. electric heater, air systems with an air damper, single fan and etc.
- ◆ Motor timing selectable from 10 seconds to 420 seconds continued. Used for all actuators.

- ◆ For two floating control outputs, cooling/heating automatic changeover by preset dead zone
- ◆ Low temperature protection
- ◆ Two-part structure and quick wiring terminal block make mounting easier.
- ◆ RS485 communication option makes the thermostat connecting with a PC or other systems.
- ◆ Blue backlight display optional
- ◆ Infrared Remote Control (optional)
- ◆ CE Approval

□ Buttons and LCD

□ Specifications

Power supply	220VAC±10% 50/60HZ
	24 VAC±20% 50/60HZ
Terminal output rating	2 amp (resistant load)
Sensor	NTC 5K
Temperature Control Range	5-35 ℃
Accuracy	±0.5 ℃ @25℃
Display	LCD (blue backlight optional)
Motor action time	10 seconds~420 seconds selectable
Weight	280g
Dimensions	130mm(L)×90mm(W)×32mm(H)

Mounting Standard	Mounting on the wall, 2"×4"or 65mm×65mm box
Protection class of housing	PC/ABS fireproofing material

□ **Models**

Type	Model	Characteristic
Floating Control Thermostat With single floating valve control	**F2000PS-F3-A1**	One floating output for a 3-point floating valve, a 3-speed fan control. 230VAC Power supply; Fan output: 230VAC; 1 Valve output: 24VAC
	F2000PS-F3-A2	One floating output for a 3-point floating valve, a 3-speed fan control. 230VAC Power supply; Fan output&1 Valve output: 230VAC
	F2000PS-F3	One floating output for a 3-point floating valve, a 3-speed fan control. 24VAC Power supply; Fan output&1xValve output: 24VAC
	F2000PS-F3-E	One floating output, a 3-speed fan control, one electric heater control. 230VAC Power supply; Fan output& Aux. electric heater: 230VAC; 1xValve output: 24VAC
Floating Control Thermostat With two floating valves control	**F2000PS-DF3-A1**	Two floating outputs for two valves , 3-speed fan control manually; heating and cooling changeover automatically with dead zone setting 230VAC Power supply:; Fan output: 230VAC; 2xValve output: 24VAC
	F2000PS-DF3-A2	Two floating outputs for two valves , 3-speed fan control manually; heating and cooling changeover automatically with dead zone setting 230VAC Power supply:; Fan output&2xValve output: 230VAC
	F2000PS-DF3	Two floating outputs for two valves , 3-speed fan control manually; heating and cooling changeover automatically with dead zone setting 24VAC Power supply:; Fan output&2xValve output: 24VAC
OPTIONS		
Accessional Options	Remote Control-**R**	Infrared remote control with in 6 meters range
	Backlight LCD-**EL**	Blue backlight display

If you need RS485 communication or other requests , please contact with us.

□ **Shipping Information**

Indiv. Ctn. Dim	135mm×95mm×55mm
Master Ctn. Qty	40
Master Ctn. Dim	44cm(L) X32cm (W) X32cm (H)
Master Ctn. Wt.	15KG

□ Wiring Diagrams

F2000PS-F3-A1

Terminal	Label	
1		220Vac → L
2		→ N
3	H	
4	M	FAN
5	L	
6	ON	
7	OFF	open/close/com
8		
9		
10	COM	24Vac

F2000PS-F3-A2

Terminal	Label	
1		220Vac → L
2		→ N
3	H	
4	M	FAN
5	L	
6	ON	
7	OFF	open/close/com

F2000PS-DF3-A1

Terminal	Label	
1		220Vac → L
2		→ N
3	H	
4	M	FAN
5	L	
6	ON1	
7	OFF1	open/close/com
8	ON2	
9	OFF2	open/close/com
10	COM	24Vac

F2000PS-DF3-A2

Terminal	Label	
1		220Vac → L
2		→ N
3	H	
4	M	FAN
5	L	
6	ON1	
7	OFF1	open/close/com
8	ON2	
9	OFF2	open/close/com

F2000PS-F3-E-(A)

Terminal	Label	
1		230VAC → L
2		→ N
3	H	
4	M	FAN
5	L	
6	W	aux. heater relay
7		24VAC
8	ON	Valve 24VAC
9	OFF	open/close/com common

F2000PS-F3-E-(C)

Terminal	Label	
1		Transformer
2		24VAC Common
3	H	
4	M	FAN
5	L	
6	W	aux. heater relay
7		
8	ON	Valve
9	OFF	open/close/com