Digital Floating Control Thermostat

B2011LB-F3&B2011PS-F3 SERIES

Non-Programmable or Programmable   **CE Approval**

IAQ Indoor Air Quality
Beltéri Levegőminőség Kft.
www.iaq.hu

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 set point buttons

◉ Large set point adjustment

◉ Different models for different floating control system such as FCU system with single fan or 3-speed fan and a aux. electric heater, air system with an air damper, single fan and etc.

◉ Motor timing selectable from 10 seconds to 420 seconds continued. It will be used with all actuators.

◉ Two floating outputs models feature automatic

changeover with 1.5¥ ~ 3¥ selectable zero energy band.

◉ Low temperature protection

◉ Programmable is optional

◉ 5/2 days weekly programmable makes life and working

◉ more comfortable and convenient.

◉ Two-part structure and quick wiring terminal block

◉ make mounting easier.

◉ RS485 communication option makes the thermostat connecting with a PC or other systems.

◉ External temperature sensor optional

◉ Blue backlight display optional

◉ Infrared Remote Control (optional)

◉ Key-Card option just for hotels with FCU system

Buttons and LCD

B2011PS type
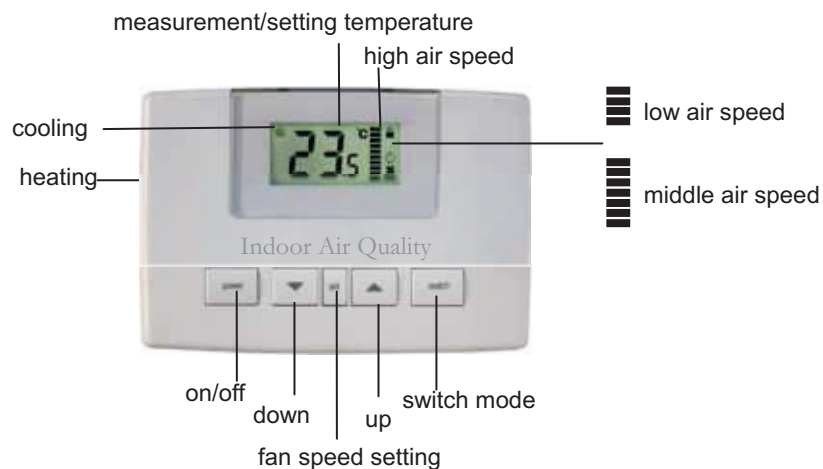
B2011LB type

Specifications

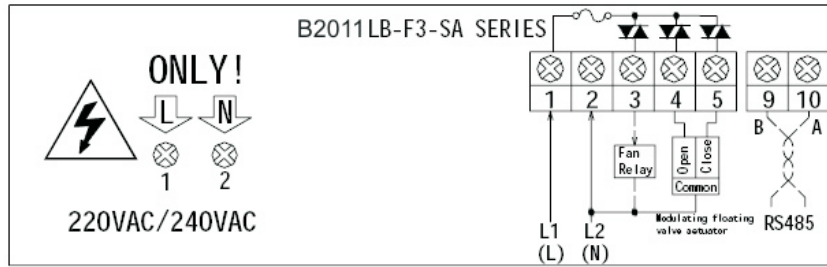|	
Power supply	220VAC± 10% 50/60 HZ
	110VAC± 10% 50/60 HZ
	24 VAC± 20% 50/60 HZ
Terminal output rating	2 amp (resistant load)
Sensor	NTC
Temperature Control Range	5-35 °C
Accuracy	± 0.5 °C
Display	LCD (blue backlight optional)
Motor action time	10 seconds~420 seconds selectable
Weight	B2011PS type:280g
	B2011LB type:240g
Dimensions	B2011PS type: 130mm(L)x 90mm(W)x 32mm(H)
	B2011LB type: 120mm(L)x 90mm(W)x 24mm(H)
Mounting Standard	Mounting on the wall, 2"x 4"or 65mmx 65mm box
Housing	PC/ABS fireproofing material

Models

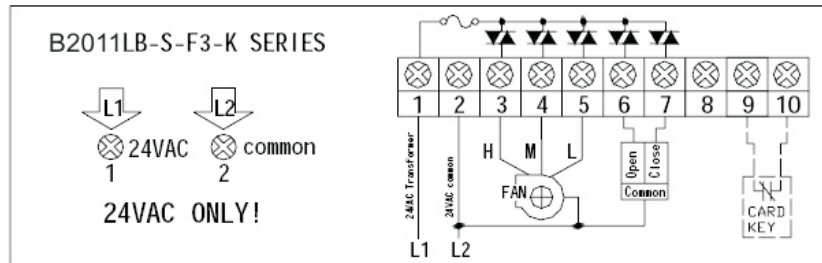| Type	Model	Characteristic
B2011 Floating Control Thermostat	**B2011LB-F3-SA** -(A)/(B)/(C)	One floating output, a single speed fan control (A): 220 VAC/110VAC power supply (B): 110VAC power supply (C): 24 VAC power supply
	B2011LB-F3-SA-K -(A)/(B)/(C)	One floating output, a single speed fan control. Key-card function for hotels.
	B2011PS-F3 -(A)/(B)/(C)	One floating output, a 3-speed fan control
	B2011PS-F3-E	One floating output, a 3-speed fan control, also one electric heater control. Po wer supply: 220VAC for fan and electric heater. 24VAC for motorized valve
OPTIONS		
Accessional Options	Programmable-**CK4**	Can be set weekly 5 day/2 day with four times of four temperature.
	Remote Control-**R**	Infrared control with in 6 meters range
	Sensor External-**W**	Temperature sensor is external except B2011PS-F3-E
	Backlight LCD-**EL**	Blue backlight of LCD
B2011PS-DF3 Floating Thermostat		
Double floating control thermostat	**B2011PS-DF3**	Two floating outputs, 3-speed fan control manually; heating and cooling changeover automatically with dead zone setting

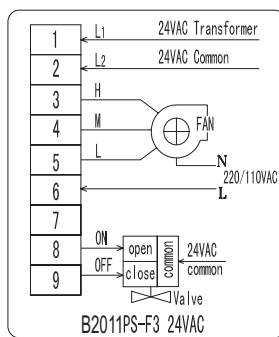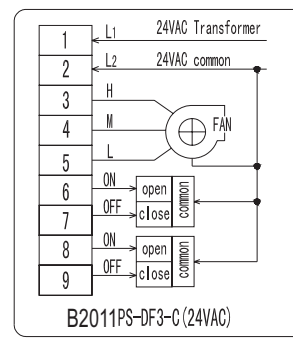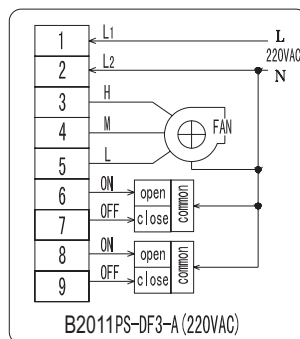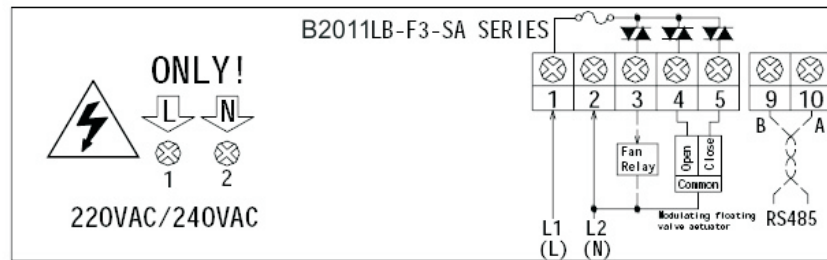If you need RS485 communication, please contact with us.

Wiring Diagrams

B2011LB-F3-SA-(A)

B2011LB-F3-SA-K

B2011LB-F3-SA-(C)

B2011PS-DF3-A (220VAC)

B2011PS-DF3-C (24VAC)

B2011PS-F3 24VAC

B2011PS-F3-(B)-

B2011PS-F3 SERIES

B2011PS-F3-(C)-2

B2011PS-F3 SERIES

B2011PS-F3-(A)