

F2000LB-E DATASHEET

Digital Room Thermostat for Floor Heating Systems

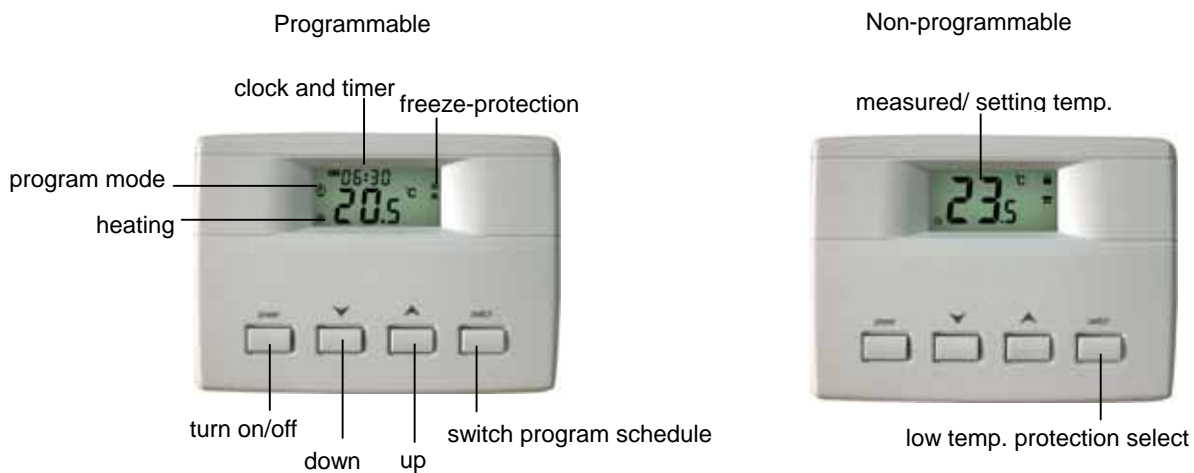
Programmable or Non-Programmable

CB Test & CE Approval 

□ Features

- ◆ Digital room thermostat for control floor heating systems which makes room ambiance comfortable and saving energy.
- ◆ Particular design of double temperature modification which eliminates the influence from heating inside, and makes temperature measurement and control more accurate.
- ◆ LCD can display working status such as room temperature, set point, fan speed and device mode, etc. Makes reading and operating easy and accurate.
- ◆ All models feature user-friendly setting buttons
- ◆ Low temperature protection
- ◆ Celsius or Fahrenheit degree selectable
- ◆ Internal or external temperature sensor selectable to control room or floor temperature.
- ◆ 5/2 days weekly programmable optional with four times periods of four temperatures
- ◆ Holiday mode (optional) makes user preset the days and saving energy temperature in holidays
- ◆ Infrared Remote Control (optional)
- ◆ Blue backlight (optional)
- ◆ 220VAC or 110VAC power supply
- Battery supply power with low batteries indication.

□ Buttons and LCD



□ Specifications

Power supply	220VAC $\pm 10\%$; 110VAC $\pm 10\%$ Battery power supply: DC3V, two alkaline batteries 1.5 V each type AAA
Switching Current	Rating resistance load: 16A
Sensor	NTC temperature sensor
Temperature Control Range	5~35 (41~95) or 5~90

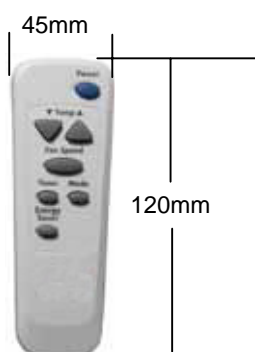
Accuracy	± 0.5 (± 1) @25
Display	LCD LCD Blue backlight (optional)
Housing	PC/ABS plastic fireproof material Bulge for 220VAC/110VAC power supply: metal
Standard	CE test and CE
Net Weight	LB-E: 280g LB-E-DC3V: 210g (without batteries)
Dimensions	120mm(L) × 90mm(W) × 24mm(H)+ 31.5mm(bulge)
Mounting Standard	Mounting on the wall, or 2" × 4"/ 65mm × 65mm box

□ Models

Type	Model	Characteristic
Digital Thermostat for Floor Heating Systems	F2000LB-E-(A)/(B)	One on/off switch contact, rating resistance load: 16amp. -(A) power supply: 220 VAC -(B) power supply: 110VAC
	F2000LB-E-DC3V-16A	One on/off switch contact, rating resistance load: 16amp. Battery power supply: DC3V, two alkaline batteries 1.5 V each type AAA
OPTIONS		
Options	Programmable- CK4	Can be set weekly 5 day/2 day with four times of four temperatures. Can be set the special temperature and holiday days.
	Blue Backlight- EL	Blue backlight of LCD.
	Remote Control- R	Infrared remote control
	Sensor External- W	Temperature sensor is external, its length is from 2.5 meters to 4 meters

The hand held remote controller :

120mm(L)X45mm(W)X 23mm(H)



External sensor

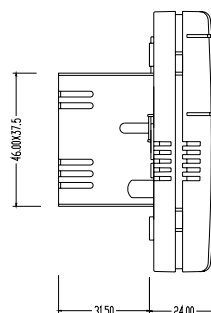
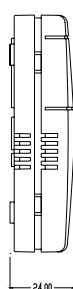
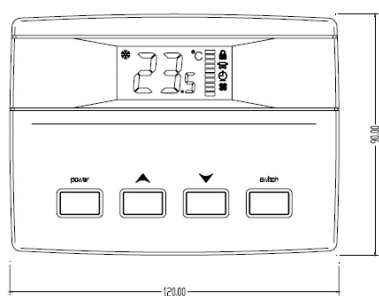
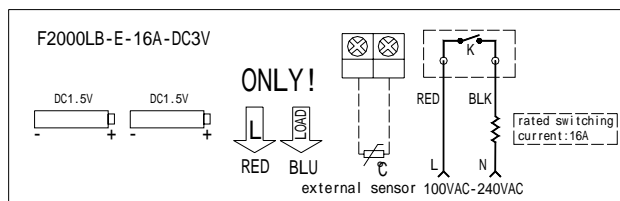
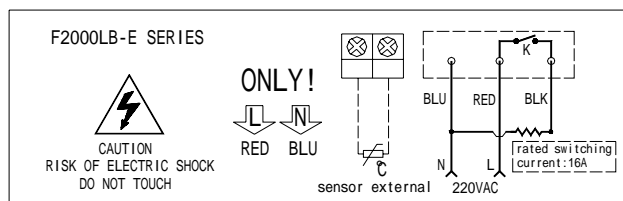


□ Shipping Information

F2000LB-E with 220VAC/110VAC power supply	
Indiv. Ctn. Dim	135mm × 95mm × 55mm
Master Ctn. Qty	40
Master Ctn. Dim	44cm(L)X32cm(W)X32cm(H)
Master Ctn. Wt.	14.5Kg

F2000LB-E-DC3V without batteries	
Indiv. Ctn. Dim	135mm × 95mm × 32mm
Master Ctn. Qty	80
Master Ctn. Dim	44cm(L)X32cm(W)X32cm(H)
Master Ctn. Wt.	20Kg

□ Wiring Diagrams



Battery power supply

220VAC/110VAC power supply

