

B2011LB-G SERIES DATASHEET

Digital Thermostats for Heating Boilers
Programmable or Non-Programmable

CE-Approval

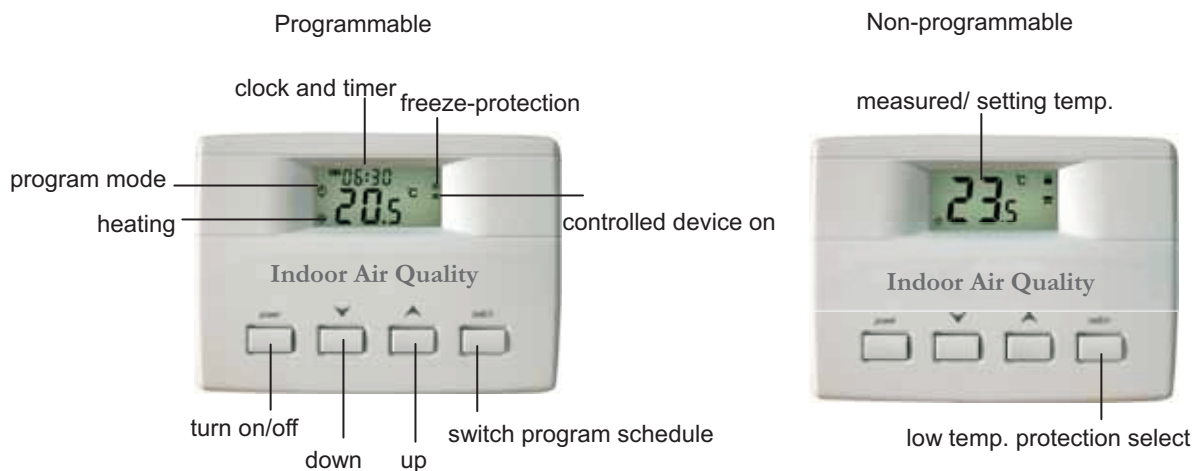


Indoor Air Quality
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Features

- Digital room thermostat for control gas boilers which makes room ambiance comfortable and saving energy
- LCD can display working status such as room Temperature, set point, timer, boiler work on/off, etc. which makes reading and operating easy and accurate.
- Low temperature protection
- Celsius or Fahrenheit degree selectable
- Two parts structure and quick wire terminal block makes installing easily.
- Two programmable mode selectable to complement your lifestyle (optional)
- 5/2 days weekly program with four time periods and four temperatures.
- 5/2 days weekly program with four time periods and turning off/turning on.
- Timer of auto turning-off after working a couple of hours with 0.5~12 hours preset (optional)
- All setup is permanently held in nonvolatile memory in event even power failure.
- Infrared Remote Control (optional)
- Blue backlight display (optional)
- External or internal temperature sensor selectable
- RS485 communication interface(optional)
- Power supply: 230VAC or 110VAC
- The programmable thermostat with battery power supply: Two alkaline batteries 1.5 V each type AAA. Low batteries indication.

Buttons and LCD



Specifications

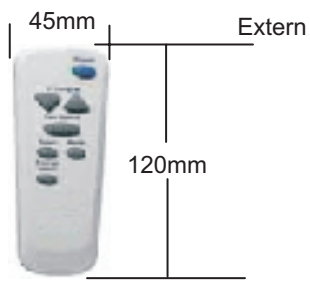
Power supply	230VAC±10% or 110VAC±10% DC3V, two alkaline batteries 1.5 V each type AAA.
Switching Current	Rated load: 1A for models with 230VAC/110VAC power supply Magnetic latching relay, rated 2A/250VAC or rated 5A/250VAC

	for models with battery power supply
Temperature Sensor	NTC
Temperature Control Range	5~35 °C for internal sensor 5~90 °C programmable setting for external sensor
Accuracy	±0.5°C (±1°F)
Differential operation:	can be set from 0.5°C to 5°C
Display	LCD
Net Weight	240g for 230VAC/110VAC power supply 220g for battery supply
Dimension	120mm(L)×90mm(W)×24mm(H)
Mounting Standard	Mounting on inside wall, or 2"×4"/ 65mm×65mm box
Housing	PC/ABS plastic fireproof material
Standard	CE-Approval

Models

Type	Model	Characteristic
Digital Room Thermostat For Heating Boilers (A): 220VAC (B):110VAC	B2011LB-GS-01(A)(B)	For controlling a water valve of heating boiler with 1x Triac active output. The rated load is 1A/220VAC
	B2011LB-GS-02(A)(B)	For controlling a water valve of heating boiler and a single-speed fan with 2x Triac active outputs. The rated loads are all 1A/220VAC
	B2011LB-G-01(A)(B)	1 on/off relay (dry contact) to gas boiler, switch current rating< 2A (resistive load)r
	B2011LC-G(A)(B)	1X on/off output (dry contact), switch current rating< 2A (resistive load) RS485 communication interface
OPTIONS		
Accessional options for above models	Programmable- CK4	weekly 5 /2 days program with four time periods of four temperatures.
	Programmable- CK	weekly 5 /2 days program with four time periods of turning-on/ turning-off.
	Timer - TM	Can be set the auto turning-off time after a working hours with 0.5h-12h preset
	Blue Backlight- EL	Blue backlight of LED
	Remote Control- R	Infrared receiver (works with remote controller)
	Sensor External- W	Temperature sensor is external, its length is from 2.5 meters to 4 meters.
Type	Model	Characteristic
Programmable Thermostat for Gas Boilers with battery supply	B2011LB-G-CK4-DC3V-2A	1 on/off switch contact to gas boiler, rating load is 2 amp. Programmable with CK4 option
	B2011LB-G-CK4-DC3V-5A	1 on/off switch contact to gas boiler, rating load is 5 amp. Programmable with CK4 option
	B2011LB-G-CK4-W-DC3V-2A	1 on/off switch contact to gas boiler, rating load is 2 amp. Programmable with CK4 option and an external sensor
	B2011LB-G-CK4-W-DC3V-5A	1 on/off switch contact to gas boiler, rating load is 5 amp. Programmable with CK4 option and an external sensor

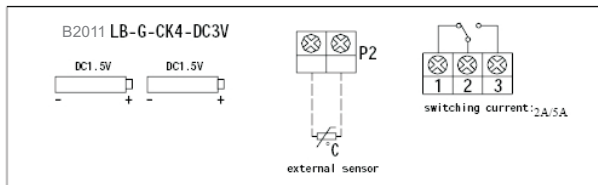
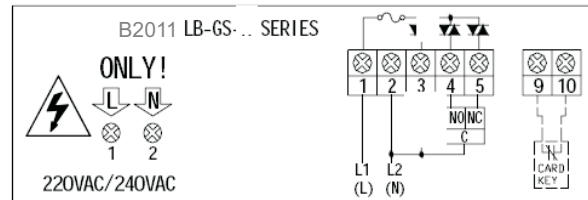
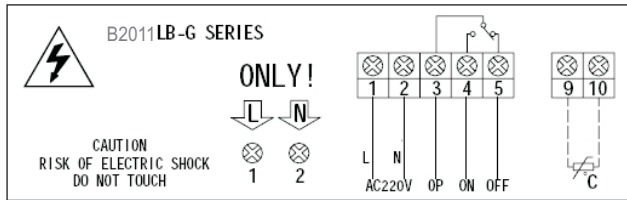
The handheld remote controller:
120mm(L)X45mm(W)X 23mm(H)



al sensor



Wiring Diagrams



Mounting

