

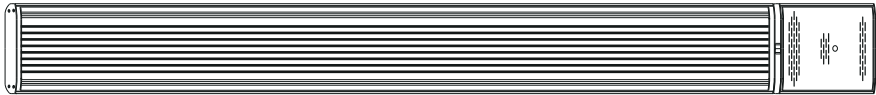
RACEILING

Ceiling Radiant Heater

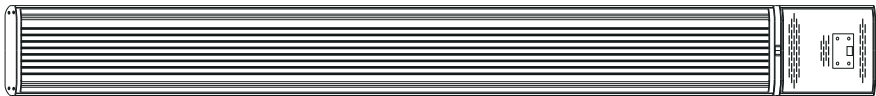
Raceiling Instructions for use

Model

BCR-1200L, BCR-1800L, BCR-2400L, BCR-3000L (Controller Separate)
BCR-1200C, BCR-1800C, BCR-2400C, BCR-3000C (Controller Assembled)



Lamp Type



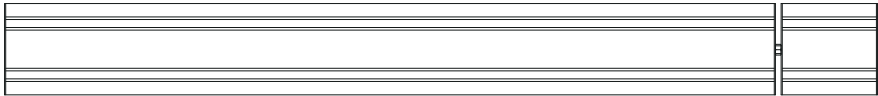
Controller Assembled



INNOBIZ
중소기업기술혁신협회

H
PL3억원

| | |
|---|--------|
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Rear View



Side View

The product data and exterior design may be altered without prior notice to the user for enhanced quality.

Please read this user's manual carefully and be fully aware of its contents.

Please follow all instructions in this user's manual and store in a convenient place for latter rerefence.

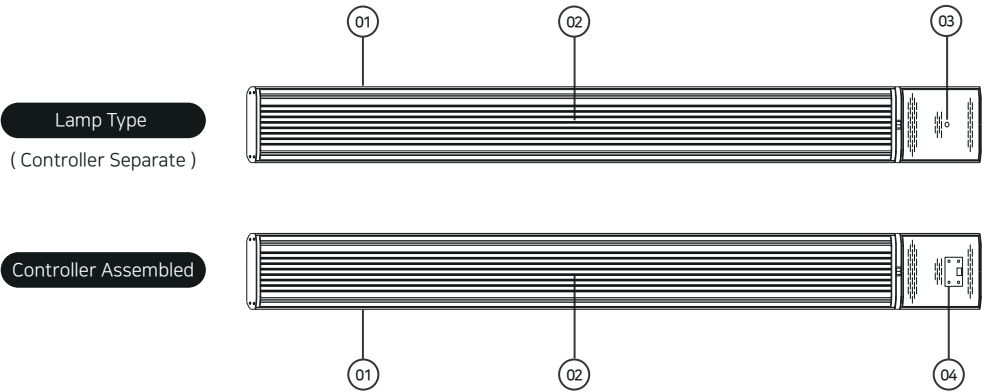
For the user's convenience, please record and keep the purchase receipt, warranty and service information and model number and date of receipt. Necessary for service.

The following safety instructions must always be kept to reduce risk of fire on person or property, electric shock or injury.

- Only use the voltage indicated on the heater's nameplate.
- Keep at least 1M distance from all objects.
- Do not use near or in spaces storing gasoline, paint or flammable materials.
- Do not touch surface with bare hands. May cause burns.
- Do not dip in liquid or pour liquid into the heater which may cause electric shock.
- Do not touch the power switch or cable with wet hands.
- Do not connect power before product is completely installed.
- Do not use extension cables to the product.
- When installing product, please check the product weight on specification sheet and install firmly. (Danger of product falling)
- Please disconnect the power cable when not in use. (Block power)
- Please pay attention that person (including children) with lacking physical, sensory, mental ability or experience and knowledge do not use this product without supervision or direction.
- If power cable is damaged, to avoid dangers, only manufacturer, authorized agent or qualified person must change the switch.
- Do not cover product with cloth or other items. Danger of fire.
- On the first operation after purchase there may be a light burning smell.
- If this occurs for a longer term (more than 5 minutes) please contact service center.
- This current product is designed and manufactured for indoor use. Never use outdoors.
- Do not use where high in moisture. Danger of electric shock and short.
- Please use where not in direct contact with water.
- Please adhere to the installation directions. (Installation on ceiling of wall)
- When connecting power, must connect to power source with earth leakage breaker installed.
- Please connect ground wire.
- When using a conduit, usage of a KS certified product is recommended.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory ormental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Children of less than 3 years should be kept away unless continuously supervised.
- Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.

CAUTION — Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.

● Designation of Parts



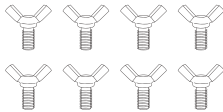
- 01 Housing : forms the shape of the product.
- 02 Heating plate : Area where heating actually occurs.
- 03 Operation lamp : Lamp displaying the operation of the heater.
- 04 Temperature controller: Control the indoor temperature by touching the controller or remote controller.

● Components

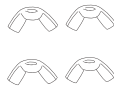
Main Product

+

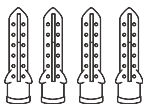
Installation Parts



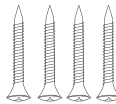
(Butterfly bolt x 8)



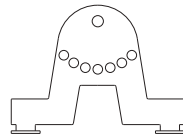
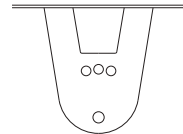
(Butterfly nut x 4)



(Screw anchor x 4)



(Screw x 4)

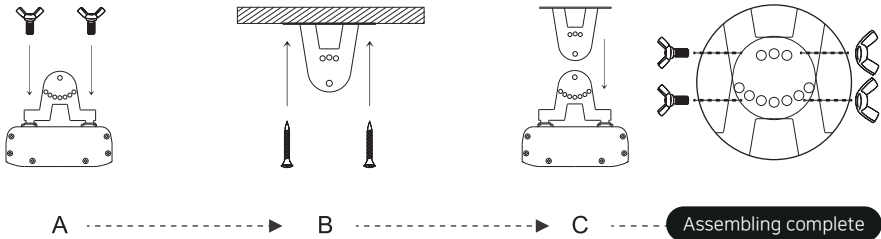


(Fixation bracket x 2)

● Installing the product



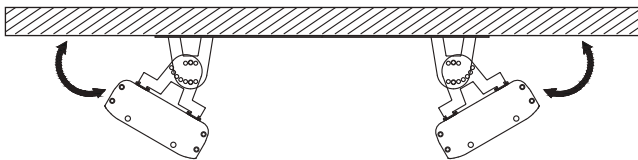
(Picture 1 : Image after complete installation)



(Picture 2 : Detailed assembly of the bracket with product)

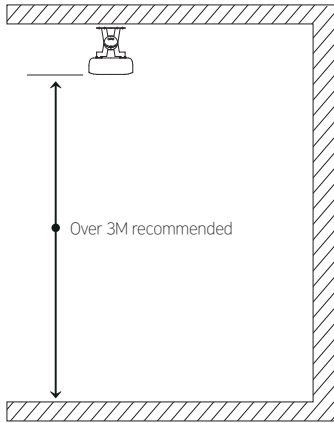
- A** Fix the bracket with the product using 2 butterfly bolts.
- B** Fix the bracket using 2 screws to the ceiling of the wall.
- C** Assemble the 2 brackets (A,B) with 2 butterfly bolts and nuts.

● When installing 2 products (Optional)

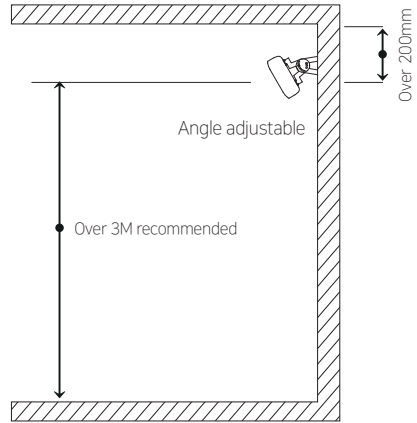


(Picture 3 : When installing 2 products)

● When installing fixed onto ceiling or wall



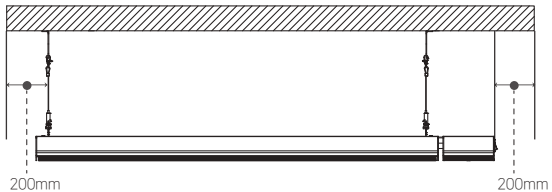
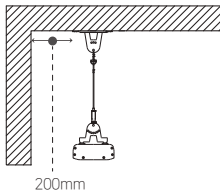
(Picture 4 : Example of fixed installation onto ceiling)



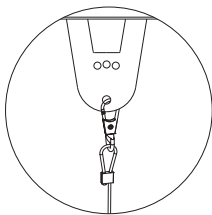
(Picture 5 : Example of fixed installation onto wall)

| When installing onto wall, please keep at least 2.2M from floor and 20cm from ceiling.

● When installing extension from ceiling



(Picture 6 : Example of extension installation from ceiling)

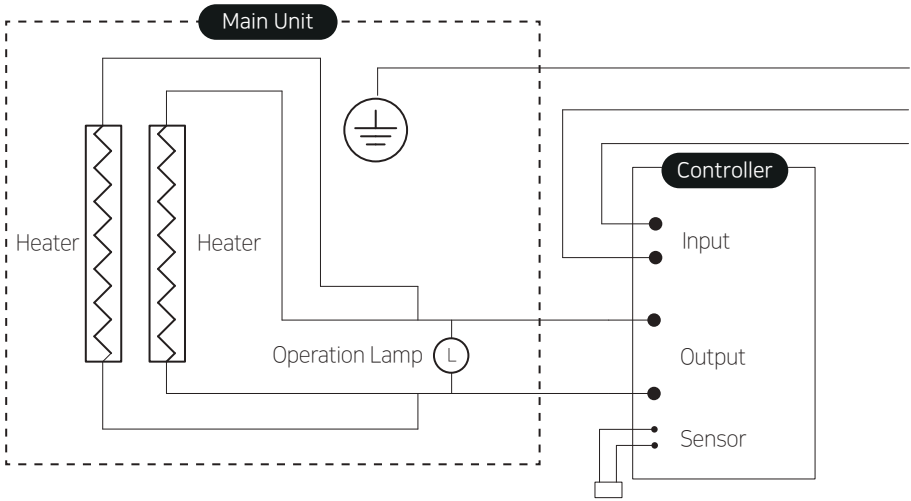


| If necessary, use the bracket and hook included for extension installation.

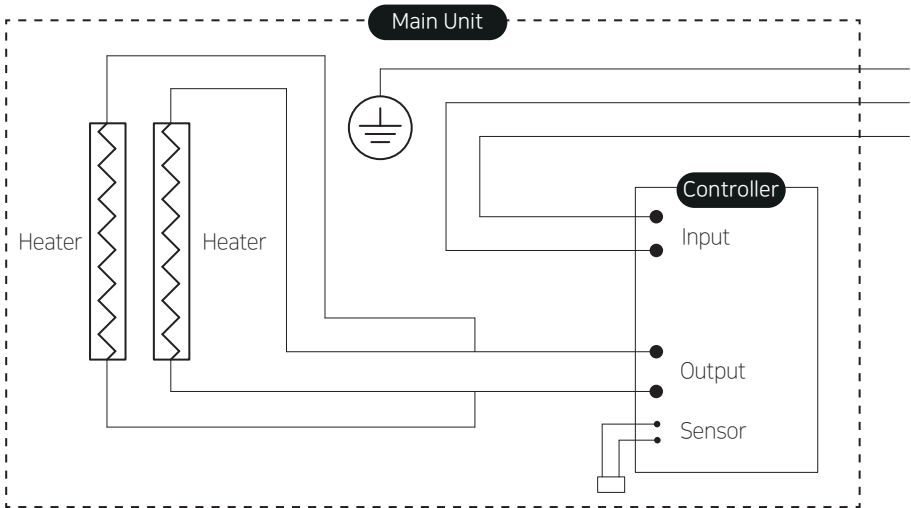
| Hook may be used available from the market.

(Picture 7 : Hook connecting method when extension installing)

● Lamp type (Controller Separate)



● Controller Assembled



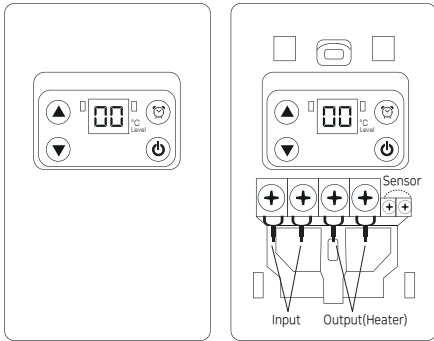
● Using the Temperature Controller : Lamp Type (Applicable for Separate Controller type)

1. ⏻ Display will show the current temperature when power switch is "ON"
2. Set the designated temperature with Raise 🔼 / Lower 🔽 buttons.
3. If electricity flows on load Output (red lamp) will display.
4. After achieving the set temperature Output (red lamp) will turn off and automatically maintain the set temperature.
5. Sensor cable may be used by cutting or extending as necessary.
6. The current Temperature Controller is an electric heating dedicated controller with maximum load of 4.0kw/220V (Recommended use within 3.0kw)
7. For safety reasons, please install a residual leakage breaker prior to the temperature controller.
8. **Where sensor is not installed or cable is cut or shorted during usage, will automatically divert to internal Timer, operation will be as the Timer periodic chart.**

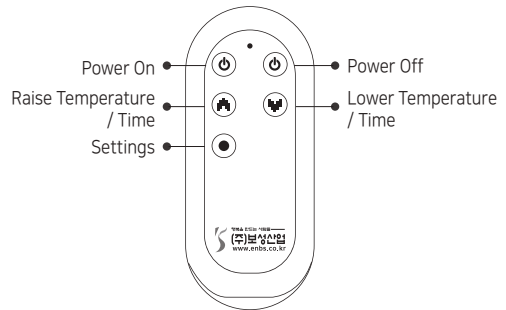
| Time level | ON Time | OFF Time |
|------------|---------|----------|
| 1 | 18s | 162s |
| 2 | 36s | 154s |
| 3 | 54s | 136s |
| 4 | 72s | 108s |
| 5 | 90s | 90s |
| 6 | 108s | 72s |
| 7 | 136s | 54s |
| 8 | 154s | 36s |
| 9 | 162s | 18s |
| 10 | 180s | 6s |

Timer Periodic Chart: 10 level
(3 minute cycle)

● Detailed drawing of Temperature Controller ● Remote Controller



(Controller Front side) (If Controller cover removed)



※Unscrew the bottom screw and push the cover down to detach the cover

● Precautions when using the Temperature Controller

- ⚙ When wiring the In/Output, use the appropriate terminal.
- ⚙ Place the cables connected to the temperature controller and load into the cable protector tube.
- ⚙ When connecting the temperature controller power cable and output cable, tie them tight.
(※ Do not use electric screw driver when tightening. Must use manual screw driver.)
- ⚙ Choose place of usage where rain/ wind/ dust/ humidity is not found, and vibration/ shock-free.
- ⚙ When user is not present, please OFF (disconnect) the circuit breaker (power cable).

● **Product requirements and specifications**

220V ,60Hz

| | Model No. | Power Consumption (W) | Product Length (mm) | Product Thickness (mm) | Product Width (mm) | Weight (Kg) |
|------------------------------------|-----------|-----------------------|---------------------|------------------------|--------------------|-------------|
| Lamp Type (Controller Separate) | BCR-1200L | 1200 | 930 | 160 | 65 | 6 |
| | BCR-1800L | 1800 | 1230 | 160 | 65 | 8 |
| | BCR-2400L | 2400 | 1530 | 160 | 65 | 10 |
| | BCR-3000L | 3000 | 1830 | 160 | 65 | 12 |
| Controller Assembled | BCR-1200C | 1200 | 930 | 160 | 65 | 6 |
| | BCR-1800C | 1800 | 1230 | 160 | 65 | 8 |
| | BCR-2400C | 2400 | 1530 | 160 | 65 | 10 |
| | BCR-3000C | 3000 | 1830 | 160 | 65 | 12 |

● **Main Installation Locations**

| May be used in various locations including hospital, office, hotel, university, kindergarten, pension, and exterior terrace etc.

| Will match wherever installed thanks to its luxurious design.



School



Office



Home



Gymnasium



Department Store



Cafe

RACEILING

Ceiling-type Farinfrared Radiant Heater

-
- The product does not require special maintenance.
 - When removing dust, use a soft cloth to wipe.
 - In case of stain, use a wet cloth to wipe.
 - Do not use abrasive or metallic polish as it may damage the surface painting.
 - Periodically clean the heating panel.
 - Drenched dust may lead to overheating or malfunction in safety system.
 - If power cable is damaged, must use after replaced by a qualified technician.
-
- The product is an assistance heater for winter freeze protection and assistance heating.
 - Make sure to firmly fix this radiant heater on the correct position of the ceiling or wall.
 - If not in use, store in its packaging.

The warranty for this product is limited to defect in production or naturally occurred breakdown. You can receive a replacement or repair for free if you bring the product warranty issued at the time of purchase and contact the authorized agent or head office.

Warranty period: 12 months after purchase or 18 months after production date

(1) Quality Assurance Regulations

| Damage Type | Compensation |
|---|---|
| Major repair required due to defect that occurred under normal usage within 10 days of purchase Product replacement or refund | Product replacement after payment |
| Major repair required due to defect that occurred under normal usage within 1 month of purchase | Customer's negligence within warranty period |
| Product replacement or free repair Defect that occurred under normal usage within warranty period Free repair Recurrence (4th) of identical defect repaired up to 3 times Product replacement or refund Recurrence (5th) of defects of various parts repaired up to 4 times Product replacement or refund Defect on replacement product requiring major repair within 1 month of exchange Refund | After warranty period |
| Damaged resulted due to not having repair part within parts retention period Product replacement or refund Defect during normal usage within warranty period | Refund after including 10% of depreciation amount |

(2) The following cases will require payment even if within warranty period.

- Payment will be required if repair agent has made visit due to customer's request but no defect found.
- Defects occurred due to not following the precautions of this user's manual
- Defects (upside down installation, using electricity other than 220V, etc.) occurred during negligence usage
- Damage or defect caused by natural disaster
- Damage or defect from repair or remodeling by someone other than company's designated repair agent or authorized agent.

This warranty is only valid in the Republic of Korea, and is not reissued.

| | | | |
|-------------------|--|---------------------|--|
| Product name | | Date of Purchase | |
| Model Name | | A/S Period | |
| Place of Purchase | | Contact Information | |



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