

Model: RCB04A

Standard Thermostatic On/Off Remote Control INSTALLATION AND OPERATING INSTRUCTIONS

**IF YOU CANNOT READ OR UNDERSTAND THESE INSTALLATION INSTRUCTIONS
DO NOT ATTEMPT TO INSTALL OR OPERATE**

INSTRUCTION:

This wireless thermostatic on/off/ remote control system provides a safe, reliable, and user-friendly remote control for millivolt valve gas appliances. The system can be thermostatically or manually turned on and off with the transmitter. Always check the appliance home owner's manual for additional information, or warnings regarding accessory installation before connecting this remote control system.

Carefully inspect the contents for shipping damage. If any parts are missing or damaged, immediately contact the dealer from whom you purchased the kit. Do not attempt to install any part of the kit unless all parts are in good condition. Please keep these instructions for future reference.

CONTENTS OF KIT

| Description | Quantity |
|--|----------|
| RCB04A Thermostat remote control Transmitter | 1 |
| Installation Instructions | 1 |
| Screws (for install Transmitter) | 2 |
| Screws Cap (for install Transmitter) | 2 |
| Wall Clip (for install Transmitter) | 1 |

NOTE: Due to the sensitive temperature monitoring components in the transmitter, it is necessary to allow the transmitter to stabilize to room temperature before accurate room temperature are displayed, If the transmitter is activated from a severe cold condition allow 15 minutes for accurate temperature reading to appear on the LCD.

WARNING

Important Safety Information

- Read this manual thoroughly prior to installing, programming or operating any remote control.
- This remote control system is designed for use with a millivolt or 24V gas valve system. Do not use this remote control system on applications with voltages above 24 Volts AC/DC and 1 amp current.
- This remote control Transmitter requires two (2) "AAA" alkaline batteries to power the transmitter

FEATURES/SPECIFICATIONS

- Easy Access Thermostatic Control
- Low Battery Indication
- Child Proof Lock-out
- Select Between °C and °F display.
- 4 bits DIP Switches Select Security Codes

Transmitter:

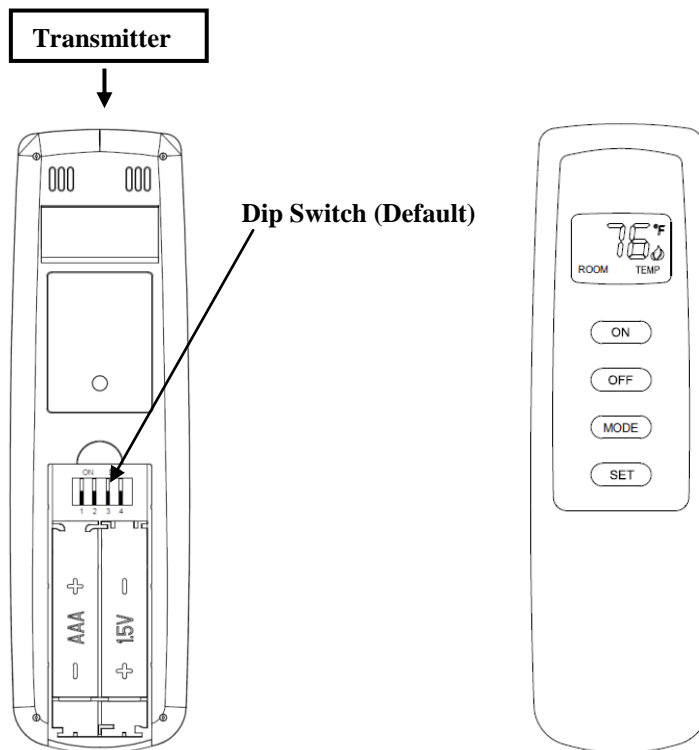
Installing Batteries:

The remote transmitter uses two (2) “AAA” batteries. To install batteries:

1. Press down the battery door and remove the battery door.
2. Install uses two (2) “AAA” batteries batteries as indicated on transmitter.
3. Close the battery door by snapping in place.
4. The batteries should be replaced when the low battery indicator display in LCD.
5. When both batteries are installed, the transmitter will initialize for 1 seconds and then is ready for use.

LEARNING TRANSMITTER TO RECEIVER

1. The transmitter privacy (DIP) switches are preset at the factory. Setting the 4 bits DIP Switches on transmitter to select a security code.
2. Put the receiver slide switch to “**REMOTE**” location. Using a small screwdriver or end of a paper clip gently press and Hold the LEARN button on the receiver to accept the transmitter security code upon initial use, When you release the LEARN button the receiver will emit an audible “beep”
3. After the receiver emits the beep. press the transmitter “ON “or “OFF” button and release at once. The receiver will emit several beeps indicating that the transmitter’s code has been accepted into the receiver.
4. If you are unsuccessful in matching the security code on the first attempt repeat step 1-3



**WARN
ING**

Do not use two (2) or more remote control systems in the same area with the same dip switch settings, as they will communicate with each other. This may cause the appliances to malfunction.

OPERATIONS:

Transmitter:

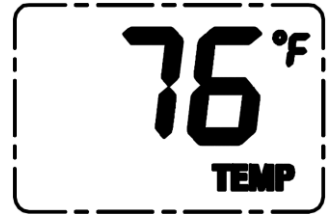
General:

The RCB04A Remote Control has two (2) operating modes: Manual and Thermostatic. The control system can be set to temperature ranges between 45 °F and 99 °F.

The transmitter will operate the remote receiver from 1 foot to 30 feet. The distance is reduced when batteries are low or when the receiver is inside a metal enclosure.

Initial start up:

1. After initial power up the transmitter is reset.
2. During system reset, all features of the LCD will be visible. After one second, the LCD will be initialized. A typical reset display is shown right. After reset the transmitter is operating. The real room temperature is shown as right.

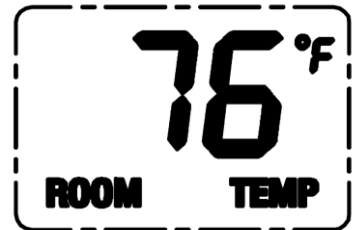


Manual Mode:

1. Press the "ON" button once to turn on the appliance.
2. Press the "OFF" button once again to turn off the appliance.
3. Press "ON" and "OFF" button at same time for 1 second to select between °C and °F display.

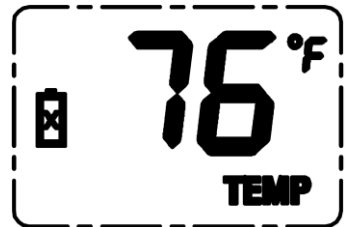
Thermostatic mode:

1. Press the "MODE" button to enter the thermostatic mode. ROOM and TEMP icon will appear on the lower LCD screen
2. In thermostatic mode, press and hold the "SET" button to set the desired set temperature between 45 °F and 99 °F.
3. Once the setting is completed, the transmitter will automatically turn on the fireplace when the room temperature is below the set temperature and turn off the appliance when the room temperature is above the set temperature within 1 degree.
4. There will be a slight delay in the response of the unit (on/off) to a temperature. Room temperature is monitored every 3 minutes.
5. Press the "ON" button or "OFF" button or "MODE" button to exit the thermostatic mode (Return to Manual Mode). The "ROOM" temp icon will disappear on the lower LCD display. The transmitter will be in the manual on/off mode



Low-battery detection:

1. When the battery voltage of remote less than 2.2V, the low battery icon will appear on the LCD screen. The battery will be checked every 3 minute. If the battery voltage of remote is less than 1.5V, the remote will send the flame off command to the receiver and only low battery icon display on the LCD,
Change the battery before the battery is too weak for normal operation. **TURN THE UNIT OFF BEFORE REPLACING BATTERIES.**



Child-proof protection:

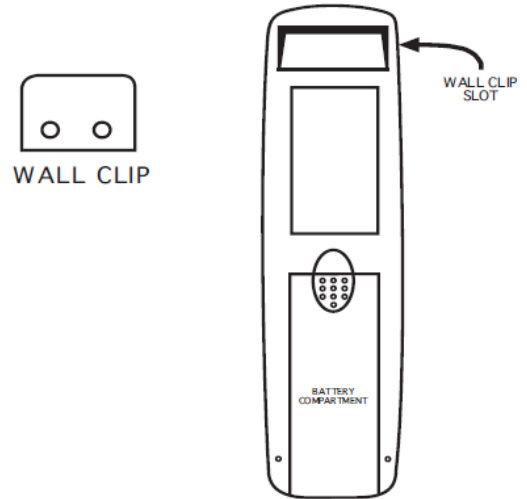
1. Press and hold "ON" and "MODE" button at same time for 5 seconds to activate child-proof mode. The letters CP will appear in the TEMP frame on the LCD screen.



- The remote control will not work until child-proof mode is deactivated by pressing the "ON" and "MODE" buttons at same time for 5 seconds again to exit child-proof mode.

TRANSMITTER WALL CLIP

The transmitter can be hung on a wall using the clip provided. If the clip is installed on a solid wood wall, drill 1/8" pilot holes and install with the screws provided. If it is installed on a plaster/wallboard wall, first drill two 1/4" holes into the wall. Then use a hammer to tap in the two plastic wall anchors flush with the wall; then install the screws provided.



Receiver:

Slide Switch:

- ON position:** the system will remain on until the slide switch is placed in the OFF or RS position.
- RS position:** the system will only operate if the remote receiver receives a signal from the transmitter.
- OFF position:** the system is off. **The slide switch should be placed in the OFF position if you will be away for an extended period of time.** If the remote receiver is mounted out of children's reach, the OFF position also functions as a safety device by both turning the system off and rendering the receiver inoperable.

TESTING YOUR NEW REMOTE CONTROL SYSTEM

- Light your gas appliance following the appliance lighting instructions that come with the appliance. Confirm that the pilot light is on; it must be in operation for the remote control to operate the main gas valve. Appliance control knob must be in the ON position. Appliance ON/OFF switch must be in OFF position.
- Slide the 3 position button on the remote receiver to the ON position. The main gas flame should ignite.
- Slide the button to OFF. The flame should extinguish (the pilot light will remain on).
- Slide the button to RS (the center position), then press the transmitter to turn the system to ON. The main gas flame should ignite.
- Press the transmitter to turn the system to OFF. The flame should extinguish (the pilot light will remain on).

TROUBLESHOOTING

| Symptom | Causes | Action |
|-------------------------------------|---|---|
| battery icon on LCD on transmitter. | Low Battery | Replace batteries. |
| Display is blank | Low Battery | Check battery installation and replace batteries. |
| Appliance does not come on. | 1. DIP (Privacy) switch setting on transmitter does not match receiver | 1. Make sure the transmitter match receive at first. |
| | 2. Transmitter measures temperature exceeding 99 degrees and shows "HI" on LCD display. | 2. Move transmitter to a cooler place and wait until temperature drops below 99 degree. |
| | 3. Distance between the transmitter and receiver is more than 30 feet | 3. Make sure the operating distance is less than 30 feet |
| Receiver cannot receive signal. | 1. Receiver is installed in an enclosure | 1. Make sure the receiver is not inside a tight enclosure. |

FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.