

RCB04C

Manual On/Off Remote Control kit for Millivolt Valve

Installation and Operating Instructions

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

This Manual on/off remote control is designed to be used with **millivolt valve** gas appliances. It can be operated on/off from the transmitter or turned on and off manually from the receiver.

CONTENTS OF KIT

Description	Quantity
RCB04C remote control Transmitter	1
RCB04C Receiver	1
Plug-In Wiring Assembly – 18” Inches	1
White Color Wall Cover Plate and Slide Button	1
Installation Instructions	1
#6 3/4 Screws (for Wall Cover Plate and Remote control)	4
#6 3/4 Screws (for fireplace system control covers)	2
Plastic wall anchors (for installing transmitter)	2

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 system requires two (2) “AAA” and four (4) “AA” alkaline batteries to power the transmitter and receiver.
- **Turn appliance OFF (at the appliance or remote receiver) if you are away from your house for a long period of time.**

FEATURES/SPECIFICATIONS

- Easy Operate Manual on/off
- Battery Powered Transmitter and Receiver
- 16 Security Codes
- Quick Disconnect Wiring Assembly

WARNING

Turn appliance OFF and allow to cool before installing or servicing. DO NOT connect 110-120 VAC wiring to the millivolt gas control valve. The remote operator must be installed exactly as outlined in these instructions. Read all instructions completely before attempting installation. Follow instructions carefully during installation. Any modification of components will void the warranty and may cause a fire hazard.

Transmitter:

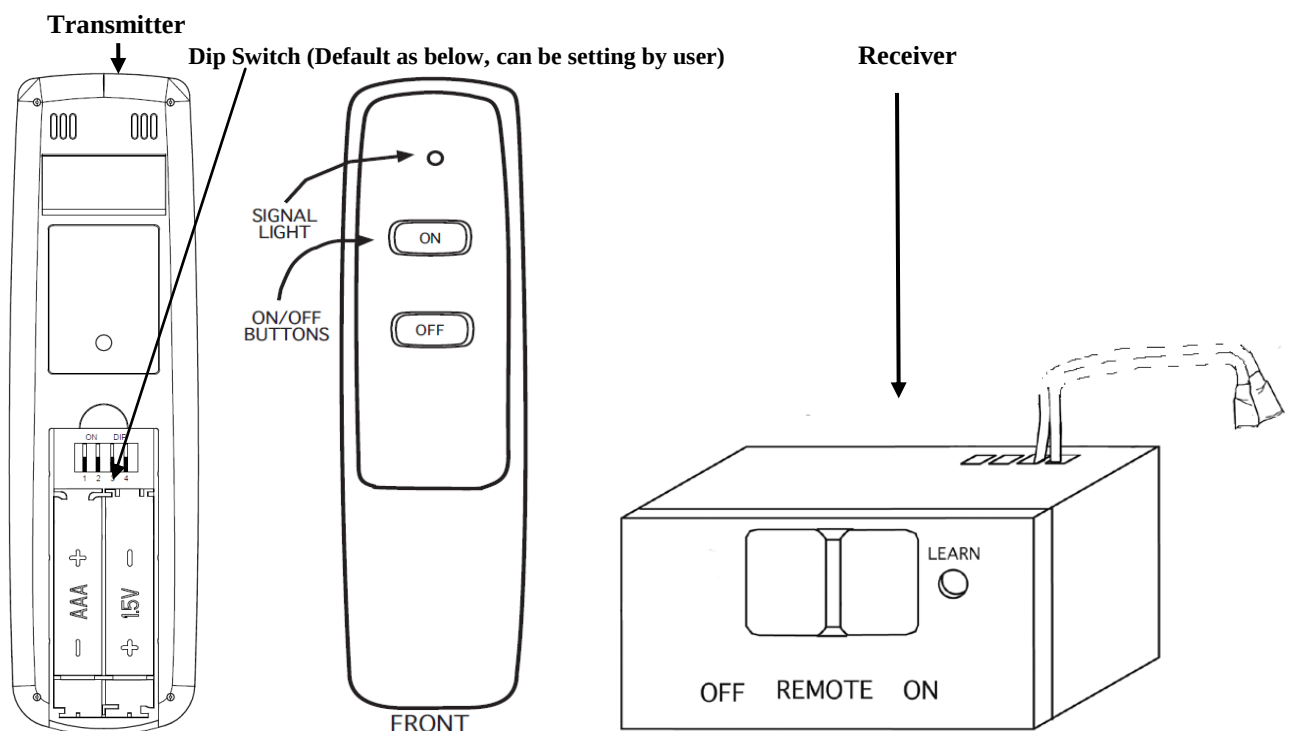
Installing Batteries:

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 as indicated on transmitter.
3. Close the battery door by snapping in place.
4. The LED signal light should illuminate when either the **ON** or **OFF** button is pressed. If the signal light does not illuminate, check the position of the transmitter’s battery, and if the battery is fully charged.

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 3 “beep” sounds
3. After the receiver emits 3 “beep” sounds. 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



KEY SETTINGS

1. Press the” **ON**” button once to turn on the appliance.
2. Press the” **OFF**” button once again to turn off the appliance.

WAR NING

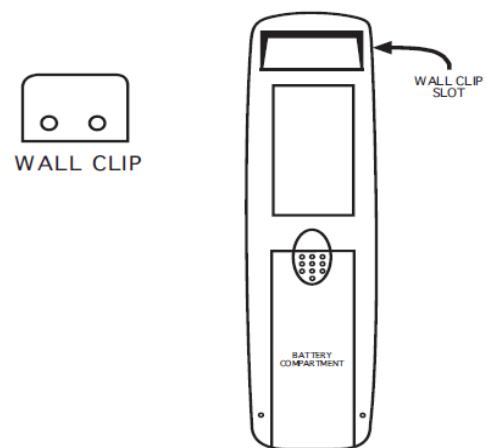
Do not use two (2) or more remote-control systems in the same area with the same dip switch settings, as they will communicate with each other. This may cause the appliances to malfunction.

OPERATIONS:

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.

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.

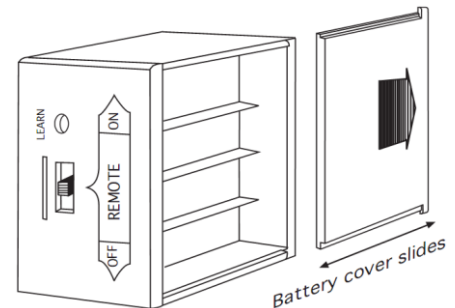


WARNING

Make sure that the wires do not contact the appliances any place other than at the terminals. Exposure to temperatures higher than 250°F(105°C) may cause the receiver to malfunction or cause a fire hazard.

Receiver:

Begin by installing (4) AA-size batteries. Slide open the battery cover on receiver. It is recommended that ALKALINE batteries always be used for this product. Be sure the batteries are installed with the (+) and (-) ends facing the correct direction. Close battery cover, Replace the low battery of receiver when the buzzer is voice every minute.



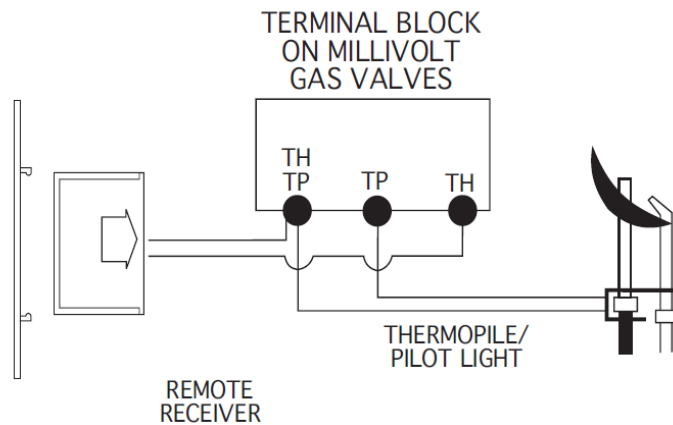
Installation The remote receiver can be either wall-mounted in a standard plastic switch box (not metal) or placed on or near the fireplace hearth. Preferably, the remote receiver should be wall-mounted in a plastic switch box, as this will protect its electronic components from the heat produced by the gas appliance. The remote receiver should be kept away from temperatures exceeding 130° F. Battery life is also significantly shortened if batteries are exposed to temperatures 130° F or higher. Before installation make sure the remote receiver slide switch is in the OFF position.

Wall Mount When wall mounting the remote receiver, longer wires (not included) are required to connect to the gas valve or electronic module. These wires must: Be at least 22 Gauge (AWG)

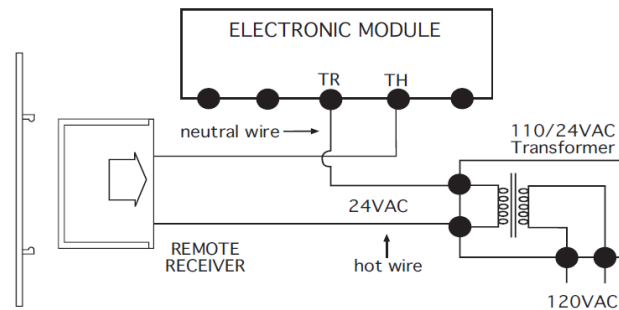
Hearth Mount The remote receiver may be placed on the fireplace hearth or under the fireplace behind the control access panel. Use the wires attached to the remote receiver to connect to the gas valve or an on/off switch (included piggyback connectors have both male & female terminals for flexibility). Be sure that the connectors do not touch each other or other bare metal surfaces.

Wiring the Receiver to Valve

Connect one wire from the remote receiver to the TH terminal on the gas valve. Connect the other wire from the remote receiver to the TH/TP terminal on the gas valve.



WIRING ELECTRONIC SPARK IGNITIONS



Slide Switch:

1. **ON position:** the system will remain on until the slide switch is placed in the OFF or REMOTE position.
2. **REMOTE position:** the system will only operate if the remote receiver receives a signal from the transmitter.
3. **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 System

1. 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 ON position.
2. Slide the 3-position button on the remote receiver to the ON position. The main gas flame should ignite.
3. Slide the button to OFF. The flame should extinguish (the pilot light will remain on).
4. Slide the button to REMOTE (the center position), then press the transmitter to turn the system to ON. The main gas flame should ignite.
5. Press the transmitter to turn the system to OFF. The flame should extinguish (the pilot light will remain on).

TROUBLESHOOTING

Symptom	Causes	Action
Receiver emits the beep in every minute	Low Battery	Replace batteries.
Appliance does not come on.	1. DIP (Privacy) switch setting on transmitter does not match receiver	1. Make sure the transmitter is matched to the receiver.
	2. Distance between the transmitter and receiver is more than 30 feet	2. 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.

To comply with RF exposure requirements, a minimum separation distance of 20mm must be maintained between the user's body and the handset, including the antenna.

IC STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s)

Operation is subject to the following two conditions:

(1) This device may not cause interference, and

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

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

Ce dispositif est conforme aux normes autoriser-exemptes du Canada RSS d'industrie

L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radio électrique subi, même si le

brouillage est susceptible d'en compromettre le fonctionnement. Cet équipement

est conforme avec l'exposition aux radiations IC définies pour un environnement

non contrôlé L'utilisateur final doit respecter les instructions de fonctionnement spécifiques pour satisfaire la conformité aux expositions RF. Cet émetteur ne doit pas être co-localisées ou opérant en conjonction avec une autre antenne ou transmetteur.