

Basic On/Off Remote Control – 120VAC INSTALLATION AND OPERATING INSTRUCTIONS

This basic 120 VAC on/off remote control system provides a safe, reliable, and user-friendly remote control for millivolt valve gas appliances. The system can be manually turned on and off with the transmitter. Always check with the home owner's manual of the appliance for additional information, 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 this booklet for future reference.

CONTENTS OF KIT

Description	Qty
Transmitter	1
Battery Alkaline AAA (for Transmitter)	3
Receiver (Assembly) consists of:	1
Receiver Box with 120 VAC Adapter	
Slide Button-Black (On/RS/Off)	
Wall Cover Plate-Black	1
Plug-In Wiring Assembly – 22" Inches	1
Velcro (Loop and Hook)	1
Installation Instructions	1
#8 Screw for sheet metal, Black	2

FEATURES/SPECIFICATIONS

- Battery Powered Transmitter
- Compact 120 VAC Adapter with 30" wire
- Low Battery Indication for Transmitter
- 16 Security Codes
- Quick Disconnect Wiring Assembly
- Optional 6 hour Shutdown Timer on Receiver

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 gas valve system. Do not use this remote control system on applications with voltages above 30 Volts AC.
- This remote control system requires three (3) "AAA" batteries to power the transmitter and 120 VAC to power the receiver. Wiring must conform to appliance requirement and building codes/ordinances as required by local and national code authorities having jurisdiction.
- Do not short (or jumper) across the gas valve terminals to test the remote control installation. This could damage the unit and void the warranty.
- This remote control system should only be used as described in this manual. Any other use is not recommended and will void the warranty.

Turn appliance OFF and allow to cool before installing or servicing. DO NOT connect 110-120 VAC wiring to the milli-volt 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.

WARNING

Turn appliance OFF (at the appliance or remote receiver) if you are away from your house for a long period of time.

INSTALLATIONS

Remote Receiver

The remote receiver may be wall mounted or installed in the appliance per the appliance homeowner's manual. Refer to the Homeowner's Manual for special installation instructions. If wall mounted, the remote receiver must be installed in a junction box with cover plate provided. Failure to follow the installation instructions found in the appropriate Homeowner's Manual will void the warranty and may cause a fire hazard.

Power up Receiver

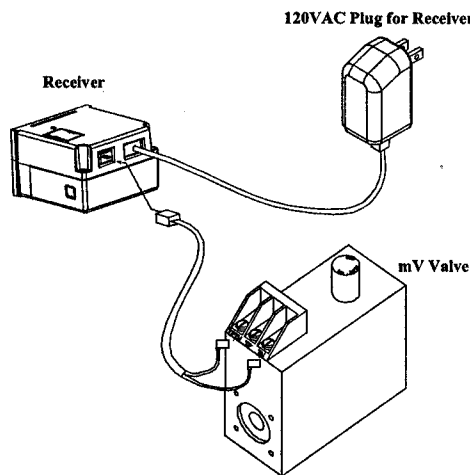
The receiver is powered by plugging into a polarized 120VAC outlet.

Installing Wire

This system comes with an 22 inch pre-assembled wire assembly. Insert the white terminal to the back of the receiver. The terminal wire block can only be installed one way. Do not force the terminal plug onto the receiver.

Follow the homeowner's manual for connecting the two (2) 1/4" female spade terminals to the millivolt valve.

For applications longer than 22 inches, use 18 gauge wire, 105°C rated, with as few splices as possible. Connect to the two (2) 1/4" female spade wiring terminals. Wire can be no longer than 20 feet.



WARNING

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

Remote Transmitter

Installing Batteries

The remote transmitter uses three (3) "AAA" batteries. To install batteries,

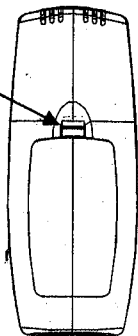
1. Press down the battery door tab and lift up and remove the battery door.
2. Install the batteries as indicated on the transmitter cover.

WARNING

3. Close the battery door by snapping in place.

4. The batteries should be replaced at least once every 6 months or when the battery indicator flashes.

Battery
Door
Tab



Back of the Transmitter

Setting Privacy (DIP) Switch on Receiver and Transmitter

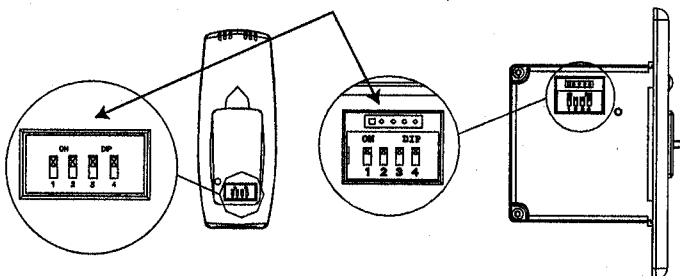
The remote receiver and transmitter privacy (DIP) switches are preset at the factory. In the event of activation or interference from other nearby transmissions, reset the code using the following procedure:

1. Slide the code switches on the transmitter or receiver to your choice of ON or OFF position. Switches #1, #2, #3 and #4 are preset to "ON" for both the transmitter and receiver.
2. The switches on the transmitter and receiver must match in order for the system to work.
3. The system is now ready to operate.
4. See optional 6 hour shutdown on receiver section.

Transmitter

Dip Switch (Default)

Receiver



WARNING

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.

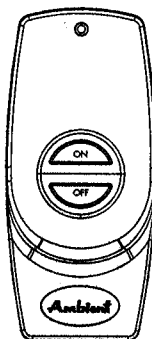
OPERATIONS

Transmitter

General

The RCBE remote control system is an On/Off remote control.

The transmitter will operate the remote receiver from 1 foot to a maximum of 30 feet. The operational range 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 ready for use.

Manual Mode

1. Press the **ON** button once to turn on the appliance. Press the **OFF** button to turn it off.

Low Battery Detection

1. When the battery voltage drops to a certain level, the LED on the transmitter will blink until the battery expires. Change the battery before the battery is too weak for normal operation. **TURN THE UNIT OFF BEFORE REPLACING BATTERIES.**

FCC Statement

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.

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

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