



Remote Control Installation and Operation Instructions

For Kits 90-56912 & 90-56914

General Overview

This installation guide covers the installation of two remotes. One remote is an On / Off remote (kit # 90-56912). This remote allows the user to manually turn the unit on and off only. The other is an On / Off / Thermostat remote (kit # 90-56914). This remote allows the user to manually turn the unit on and off and also has a thermostat which controls the on / off operation of the unit automatically. Both remotes operate by RF (radio frequency) signal. A direct line of site between the Remote Transmitter and Remote Receiver is not required for proper remote operation. Both remote control units are battery operated and require no electrical power connections.

There are three methods of mounting the remote receiver. The remote receiver can be mounted on the unit, mounted on a wall, or placed on the floor near the unit. If your unit is free standing and has easy access to the rear, it is recommended that you use the unit mounting option. If you have a fireplace unit, the back of the freestanding unit is not -accessible, or the unit is installed in an **alcove**, you **must** use the wall mounting option. The -final mounting option is to place the remote receiver on the floor next to (NOT DIRECTLY UNDER) the unit.

Warning: The remote receiver and batteries are rated for a temperature of 120F. The mounting locations outlined above have been tested and meet the temperature requirements. It is the responsibility of the installer to adhere to the suggested mounting locations. If alternative mounting locations are used, serious damage could occur.

TABLE OF CONTENTS

General Overview.....	1
Remote Receiver Mounting	
Unit Mounting.....	2
Wall Mounting.....	3
Receiver Wiring Diagrams.....	4
Floor Mounting.....	5
Operating Instructions:	
On/Off Remote Kit (90-56912).	5
On/Off/Th Remote Kit (90-56914)	5
Manual Operating Mode....	6
Automatic Operating Mode.	6
Timer Operating Mode.....	6
Child Proof Function.....	6
Remote Settings.....	7
Batteries.....	7
Safety Coding Features.....	8
Installation Precautions...	8
National Requirements.....	9

Unit Mounting

Warning: Turn off the gas supply to the unit before installing the remote receiver.

1. Be sure the **Remote Receiver Switch** is in the **OFF** position.
2. Fasten the **Plastic Remote Receiver Bracket** to the **Magnetic Metal Bracket** supplied with the kit. Refer to Figure 1.
3. Slide the **Remote Receiver** into the **Remote Receiver Bracket**.

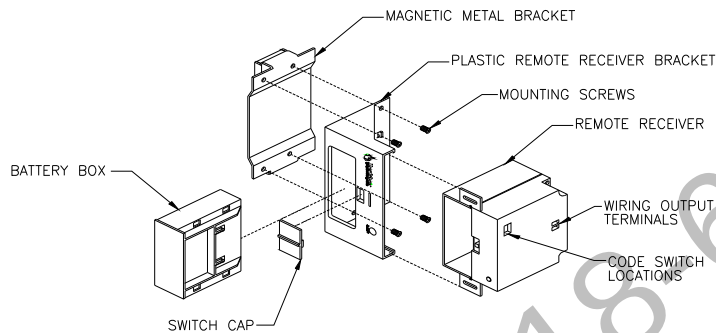


Figure 1

4. Push the **Switch Cap** onto the **Switch**.
5. Slide the **Battery Box** into the **Remote Receiver**.
6. Magnetically attach the **Remote Receiver Assembly** to the unit in the suggested mounting location shown in Figure 2.

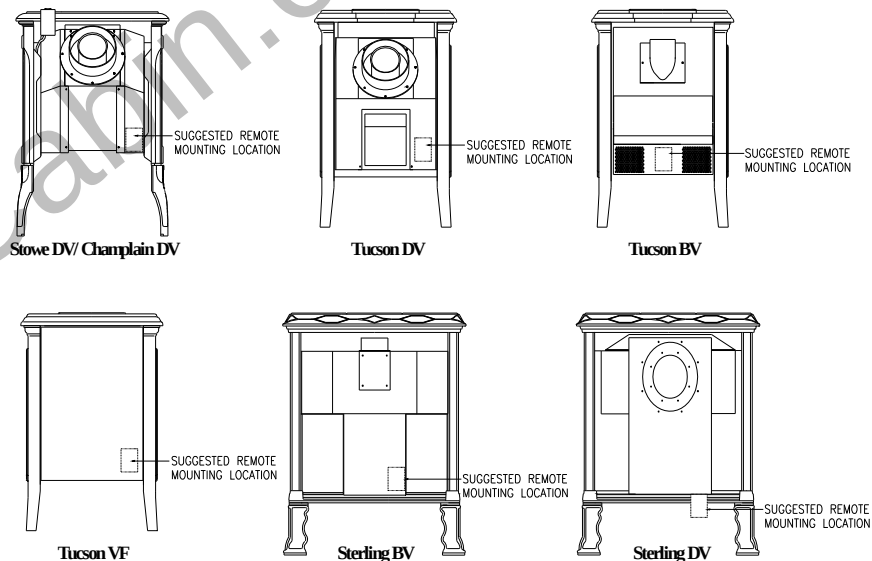


Figure 2 – Suggested Mounting Locations

7. Connect the wiring leads to the **Remote Receiver Output Terminals** and the **Gas Valve** terminals as shown in Figures 4 & 5.

Wall Mounting Option

1. The Wall mounting option requires that a standard **Receptacle Box**, for low voltage wiring, is installed in the wall.
2. Connect the wiring leads to the **Remote Receiver Output Terminals**.
3. (For wiring runs up to 20' use 18 gauge. thermostat wire. For runs longer than 20' use 16 gauge wires.)

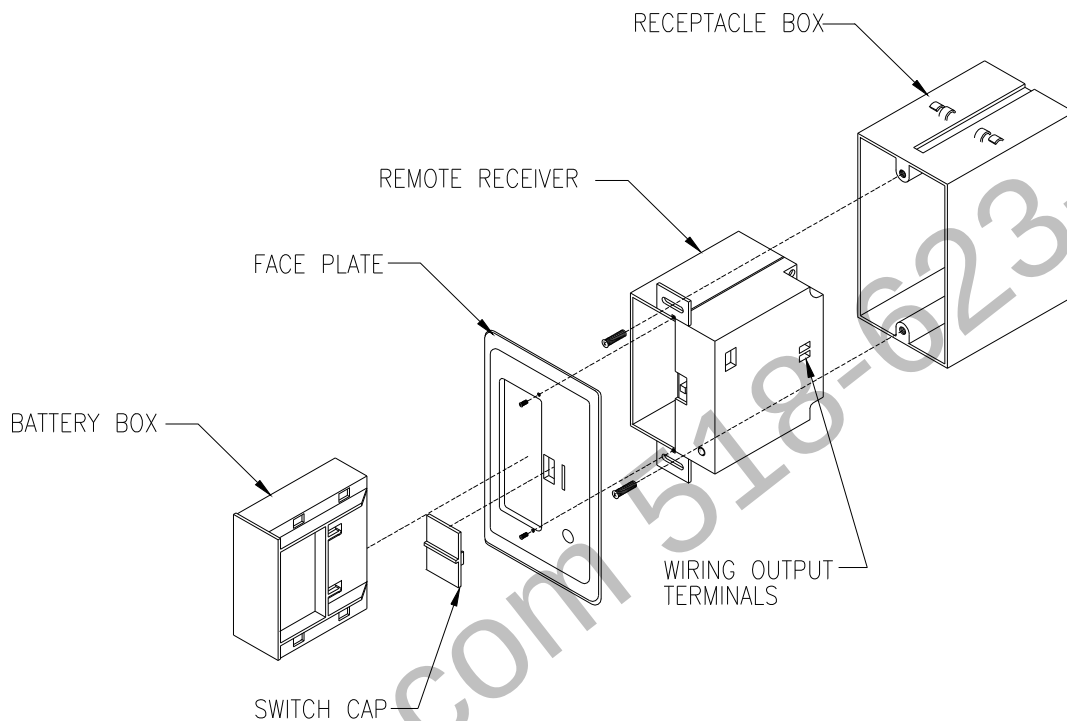


Figure 3

4. Fasten the **Remote Receiver** to the **Receptacle Box** mounted in the wall. Refer to Figure 3.
5. Attach the **Face Plate** to the **Remote Receiver** with the screws provided.
6. Push the **Switch Cap** onto the **Switch**.
7. Slide the **Battery Box** into the **Remote Receiver**.
8. Connect the wiring leads to the **Gas Valve** as shown in Figures 4 & 5.

Remote Receiver Wiring Diagrams

Tucson / Sterling Remote Control Wiring Diagram

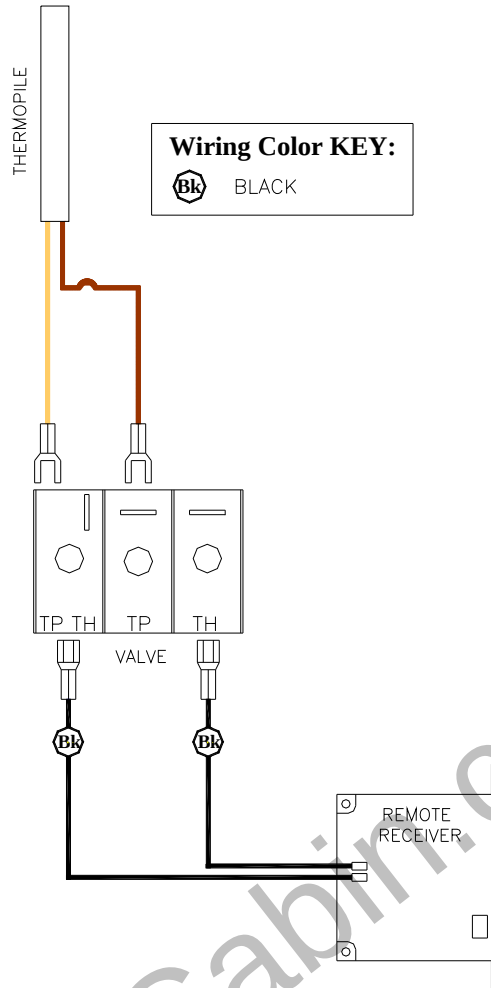


Figure 4

Stowe DV/ Champlain DV Remote Control Wiring Diagram

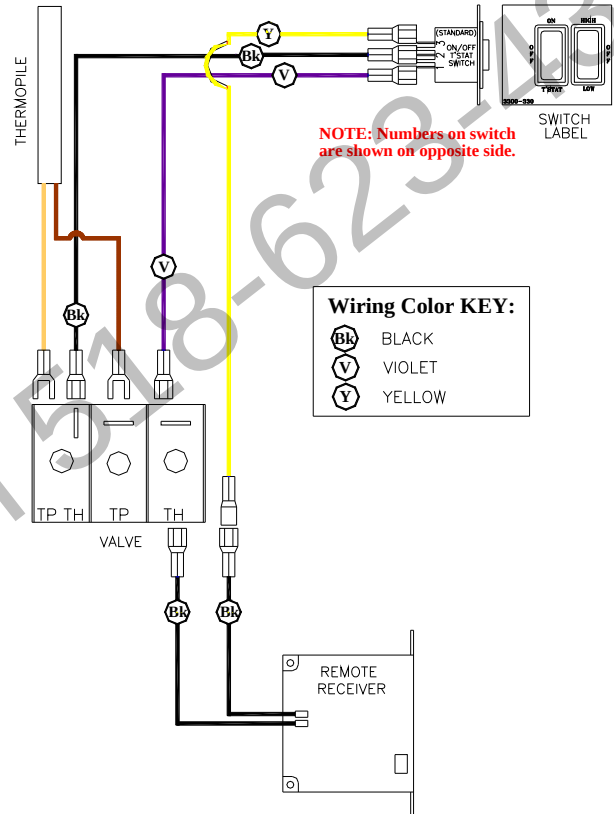


Figure 5

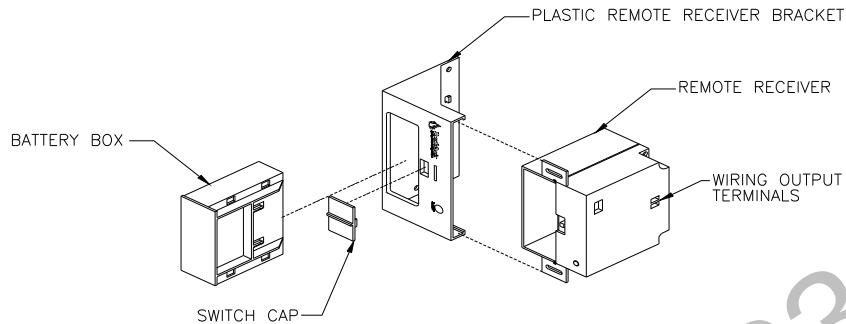


Figure 6: Floor Mounting

Floor Mounting

1. Be sure the **Remote Receiver Switch** is in the **OFF** position.
2. Slide the **Remote Receiver** into the **Remote Receiver Bracket**. Refer to figure 6.
3. Push the **Switch Cap** onto the **Switch**.
4. Slide the **Battery Box** into the **Remote Receiver**.
5. Place the **Remote Receiver Assembly** on the floor near the sides or rear of the unit. **DO NOT PLACE THE REMOTE RECEIVER ASSEMBLY DIRECTLY UNDER THE UNIT.**

On / Off Remote Operating Instructions (kit # 90-56912)

1. The **Remote Receiver**, located on the back of the unit or at a wall / floor mounted location, has three switch settings. When the **Switch** is in the **ON** position the unit will turn **ON**. When the **Switch** is in the **OFF** position the unit will be **OFF**. When the **Switch** is in the **REMOTE** position the unit will be controlled by the **REMOTE TRANSMITTER**. The **Remote Transmitter** will only function if the **Switch** is in the **REMOTE** position.
2. Press the **ON / OFF** button (on the remote transmitter) once to turn the unit **ON**.
3. Press the **ON / OFF** button (on the remote transmitter) again to turn the unit **OFF**.

On / Off / Thermostat Remote Operating Instructions (kit # 90-56914)

1. The **Remote Receiver**, located on the back of the unit or at a wall / floor mounted location, has three switch settings. When the **Switch** is in the **ON** position the unit will turn **ON**. When the **Switch** is in the **OFF** position the unit will be **OFF**. When the **Switch** is in the **REMOTE** position the unit will be controlled by the **REMOTE TRANSMITTER**. The **Remote Transmitter** will only function if the **Switch** is in the **REMOTE** position.

Manual Operating Mode

- a) Press the **MANUAL ON / OFF** button (on the remote transmitter) once to turn the unit **ON**.
- b) Press the **MANUAL ON / OFF** button (on the remote transmitter) again to turn the unit **OFF**.

Automatic Operating Mode

- c) Use the **SET**, **UP** and **DOWN** buttons (on the remote transmitter) to set the desired target temperature.
- d) Press the **AUTO ON / OFF** button once to activate the Auto Mode. In the Auto Mode the Remote Transmitter will automatically turn on the unit when the room temperature is below the target temperature and turn off the unit when the room temperature is above the target temperature.
- e) Press the **AUTO ON / OFF** button or the **MANUAL ON / OFF** button to turn the unit off (if it is already on) and exit the Auto Mode.

Timer Operating Mode

- f) The timer can be set for the length of time you want the unit to operate (1-120 min.)
- g) Press the **SET** button once. The Timer Display will blink "-----".
- h) Press the **UP** and **DOWN** buttons to set the Timer. The LCD will display the chosen time.
- i) Press the **AUTO ON / OFF** button to turn on the unit at start the Timer.
- j) The Timer setting can be canceled at anytime by pressing the **TIME CANCEL** button.
- k) The unit will turn off at the end of the Timer setting.

Child Proof Function

- l) Remove the cover from the back of the **Remote Transmitter** to expose the **CHILD- PROOF (C-P)** switch. Refer to figure 6.
- m) Slide the **CHILDPROOF** switch to the position marked C-P to activate the CHILDPROOF function. "Child-Proof" will appear on the LCD.
- n) In CHILDPROOF mode the **Remote Transmitter** will work normally except the buttons become in-operational.
- o) Press the **UP** and **DOWN** buttons in the following sequence, UP-DOWN-DOWN- UP-DOWN, within 2 seconds button function will be temporarily restored. "ChildProof" will disappear from the LCD.
- p) If no buttons are pressed within 2 minutes the **Remote Transmitter** will return to CHILD-PROOF function and "Child-Proof" will reappear on the LCD until the **CHILD-PROOF** switch is moved to the other position.

Remote Transmitter Settings

1. Press and hold the **SET** button for about 2 seconds.
2. The HOUR display will flash. Use the **UP** and **DOWN** buttons to set the HOUR.
3. Press the **SET** button again and the MINUTE display will flash. Use the **UP** and **DOWN** buttons to set the MINUTES.
4. Press the **SET** button again and the F or C display will flash. Use the **UP** and **DOWN** buttons to select the Remote Transmitter display temperature.
5. Press the **SET** button again to exit settings.

Installing or Replacing Batteries

1. Slide the **Switch** on the **Remote Receiver**, to the **OFF** position.
2. Press the **Battery Box** slightly into the **Remote Receiver** and then release. The **Battery Box** will pop out of the **Remote Receiver**.
3. Slide open the Battery Door, on the **Battery Box**, and replace the batteries.
4. The **Remote Receiver** uses 4 AA batteries. Replace the batteries at least once every six months or when the "low Battery" light flashes.
5. The **Remote Transmitter** uses 3 AAA batteries. Replace the batteries at least once a year.
6. After removing the batteries wait at least 1 minute before placing fresh batteries into the **Remote Transmitter** and **Remote Receiver**.
7. Replace the Battery Door and slide the **Battery Box** back into the **Remote Receiver**.

Safety Coding Feature

A private code can be programmed to prevent accidental operation by another transmitter nearby.

1. Remove the cover on the back of the **Remote Transmitter** to expose the **Code Switches**. Slide the **Code Switches** of your choice to the **ON** or **OFF** position. The factory setting is all OFF. Refer to figure 7.
2. There are also **Code Switches** on the **Remote Receiver**. Slide the **Code Switches** to exactly match the settings on the **Remote Transmitter**. Refer to figure 1.
3. Replace the back cover on the **Remote Transmitter**. The system is now ready for operation.

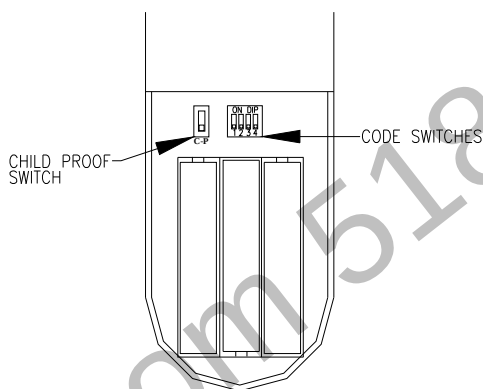


Figure 7

Installation Precautions

The remote controls are tested for safety, battery long life, and maximum reliability, when installed in accordance with this installation manual. It is your responsibility to carefully read and follow these instructions.

The remote controls **MUST** be installed by a qualified service technician.

The remote controls are carefully engineered and must be installed as specified. If modifications are made to any of the remote components, a fire hazard could result.

United States Equipment Requirements

All wiring should be done by a qualified electrician and shall be in compliance with local codes and with the National Electric Code ANSI/NFPA No.70.

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

1. Reorient or relocate the receiver antenna.
2. Increase the separation between the equipment and the receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced Radio / TV technician for help.

Canadian Equipment Requirements

All wiring should be done by a qualified electrician and shall be in compliance with local codes and the Canadian Electric Code CSA C22.1.

This digital apparatus does not exceed the (Class A / Class B) limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques (de la Class A / de la Class B) prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

This device complies with RSS-210 of Industry and Science Canada. 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.