



## F-40 AND F-50 TRANSMITTER UNIT INSTALLATION AND OPERATION INSTRUCTIONS



### F-40 Includes:

W660-0066 Transmitter  
W660-0076 Receiver

### F-50 Includes:

W660-0067 Transmitter  
W660-0076 Receiver

The **F-40** and the **F-50** transmitter units have been approved for use with most Wolf Steel gas fireplaces using a millivolt system.

The **Receiver (W660-0076)** can be installed in either the fireplace or be wall mounted depending on the application.

The **F-40** provides on/off status, and the current room temperature as well as having a low battery indicator. It allows you to switch the fireplace on or off from anywhere in the room.

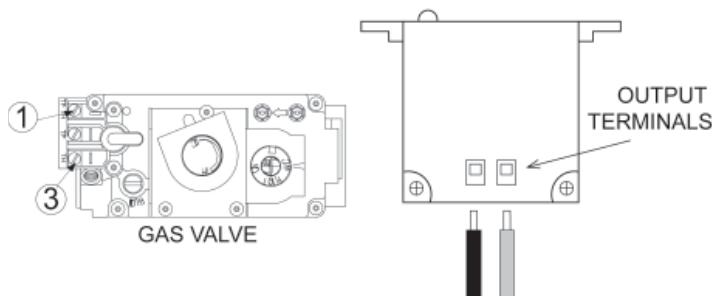
The **F-50** is a thermostatically controlled transmitter that provides on/off status, displays room/set temperature as well as having a low battery indicator. These transmitter kits are tested and safe when installed in accordance with these instructions.

**Modification of any part of this kit will void any warranty claims and could create a fire hazard.**

### RECEIVER INSTALLATION:

Turn off the electrical power and the gas supply to the fireplace. (Gas supply may need to be disconnected from the gas control valve.) Make sure the slide switch on the receiver is set to the OFF position.

1. Either disconnect or connect in parallel\* with any other transmitter wiring from the valve. Attach the wires from terminal 1 (TPTH) and terminal 3 (TH) of the gas valve to the output terminals on the receiver.



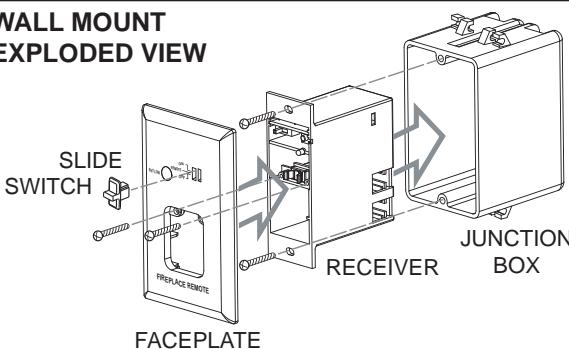
**\*INSTALLER:** It may be advisable to connect a switch with short lengths of wire to minimize the resistance. This will allow the homeowner to continue to control the burner in the event of battery failure.

For all millivolt switch wiring, hook up the switch leads on terminals 1 and 3 of the gas valve.

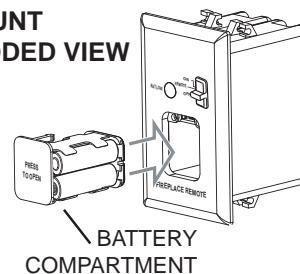
### WALL MOUNT:

2. Press the battery compartment slightly into the receiver and release enabling the battery compartment to pop out. Pull off the slide switch. Slide the receiver out of the fireplace mounting plate.
3. Using the screws provided secure the receiver and the face plate to an existing junction box.
4. Replace the slide switch. Place 4 AA batteries into the battery compartment and slide the compartment back into the receiver.
5. If the gas supply was disconnected at the valve, leak test using a soap and water solution. Turn electricity back on.

### WALL MOUNT EXPLODED VIEW



### WALL MOUNT UN-EXPLODED VIEW



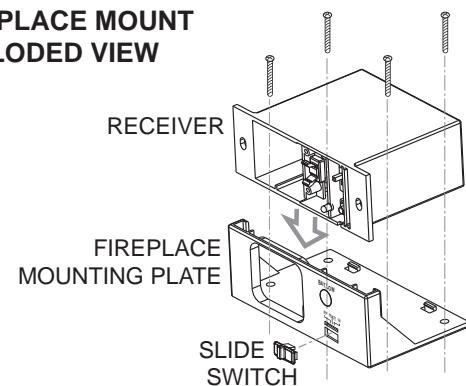
### FIREPLACE MOUNT:

**For stove and insert models:** do not install the receiver in the gas control valve compartment as this area becomes too hot. On stoves, it may be installed in or behind the pedestal; on inserts, it may be installed behind the flashings or a similar convenient location.

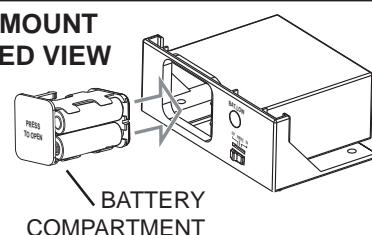
**In a zero clearance model:** the receiver may be installed in the gas control compartment.

2. Ensuring that the mounting location will allow for the battery compartment to slide out, secure the receiver to an appropriate location depending on the fireplace model using the screws provided and/or the adhesive pad.
3. If the gas supply was disconnected at the valve, leak test using a soap and water solution. Turn electricity back on.

### FIREPLACE MOUNT EXPLODED VIEW

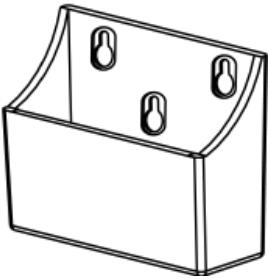


### FIREPLACE MOUNT UN-EXPLODED VIEW



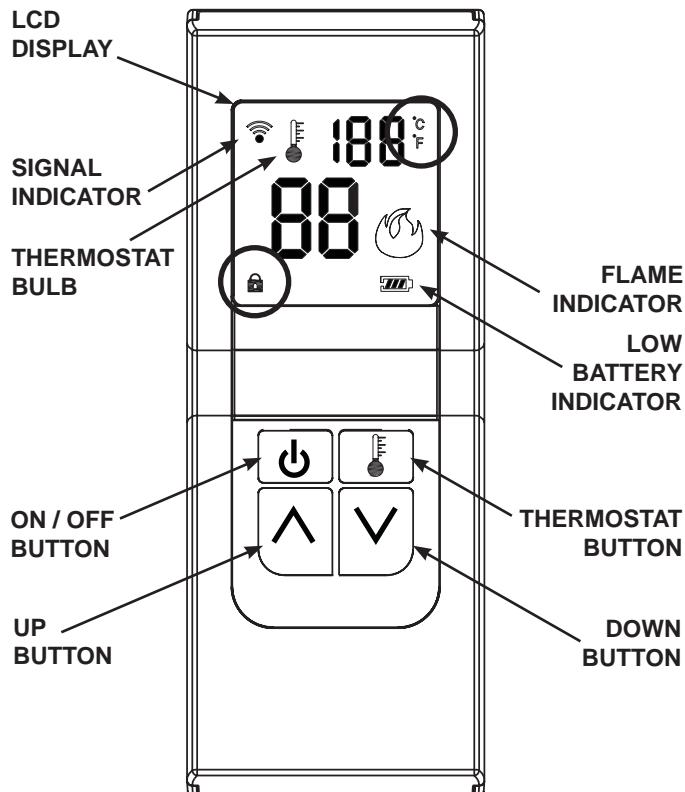
## TRANSMITTER WALL MOUNT:

Secure to the desired wall location using screws, and anchors if required.



## RECEIVER OPERATION:

The receiver switch must be in the **TRANSMITTER** position for the transmitter to function.



## F-50 THERMOSTATIC FUNCTION:

Thermostatic control automatically cycles the fireplace on and off to maintain the desired room temperature.

To turn the fireplace burner on, press the  (ON/OFF) button. The LCD will display the word "ON" and the flame indicator will be shaded in.

The  (ON/OFF) button is used to turn the fireplace on or off only. It does not set temperature.

The  (THERMOSTAT) button is used to control room temperature. Once pushed, "ON" lights up next to the thermostat bulb located in the top left corner of the LCD screen.

Set desired room temperature using the  (UP) and  (DOWN) buttons. If the temperature of the room exceeds the desired room temperature, the thermostat will automatically turn the fireplace "OFF".

**CAUTION:** In the event that the transmitter fails to send a signal to the receiver for a period of twenty-four hours, the receiver will automatically turn OFF the fireplace. This may occur if the set temperature is not reached, if the transmitter is out of range (25 feet), or if the transmitter batteries fail. The twenty-four hour safety timer allows the receiver to assume control of the fireplace after two hours of uninterrupted operation. After two hours of continuous operation by the fireplace the receiver will cycle OFF for 30 minutes and ON for 20 minutes for the next four hours.

If a signal has not been received after twenty-four hours the receiver will shut OFF the fireplace. Press the AUTO ON/OFF button on the transmitter to reset the transmitter, then press the AUTO ON/OFF button again to resume operation.

The six hour safety timer may be disengaged by moving the toggle switch on the back of the receiver. Factory setting is ON. Changing the switch will allow the fireplace to run continuously if required.

**WARNING:** In the event of prolonged absences, the F-50 should not be left in thermostat mode. If the transmitter batteries fail while the fireplace is operating the receiver will assume control and shut OFF the fireplace after twenty-four hours. If the transmitter batteries fail while the fireplace is not operating the fireplace will remain OFF.



### TEMPERATURE FUNCTION:

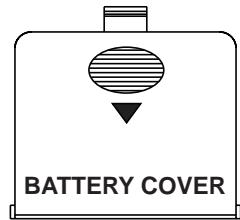
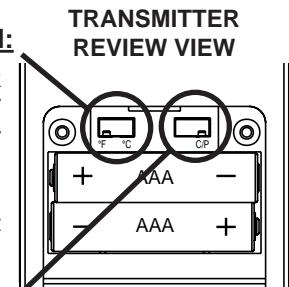
Remove the battery cover on the back of the transmitter to expose the °C/°F dip switch. Move the dip switch to your desired temperature mode.

Selected mode will appear in the right corner beside the room temperature.



### CHILD-PROOF FUNCTION:

1. Remove the battery cover at the back of the transmitter to expose the child-proof dip switch.
2. Slide the child-proof dip switch to position marked C/P to activate the child-proof function. A lock symbol will appear in the bottom left corner when the child-proof function is activated.
3. In child-proof mode the transmitter will not operate the Receiver until the switch is returned to the other position.



## BATTERIES:

The transmitter uses 2 AAA batteries. The receiver uses 4 AA batteries. Batteries should be replaced at least every 6 months or when the low battery indicator is lit on the receiver or the transmitter LCD. **Use alkaline batteries only.**

## TO CHANGE BATTERIES:

Receiver: Slide the switch to OFF. Press the battery compartment slightly into the receiver and release enabling the battery compartment to pop out. After removing the original batteries, wait at least 1 minute before replacing with fresh batteries.

Transmitter: Gently press and slide the battery cover from the rear surface of the transmitter. After removing the original batteries, wait at least 1 minute before replacing with fresh batteries.



#### **IN THE EVENT OF POWER FAILURE:**

If the receiver batteries fail, the fireplace will no longer cycle on or off, remaining in the current operating mode. To operate the fireplace in the event of a power/battery failure, the on/off switch located on the fireplace, if connected, may be used manually. See "Receiver Installation" instructions for the installer.

#### **CANADIAN EQUIPMENT REQUIREMENTS:**

*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 Communication. 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.*

#### **FCC REQUIREMENTS:**

**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.*

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



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