



## Model: LS Converter

# INSTALLATION AND OPERATION INSTRUCTIONS

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

## INTRODUCTION

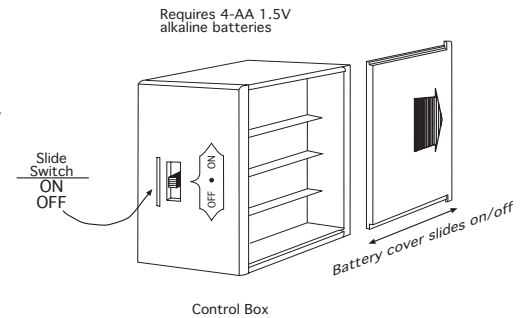
This product is designed for use with American Flame gas valves AF-1010, AF-1011, AF-1110 and AF-1111. The LS (**L**ight **S**witch) Converter allows a (wired) low voltage wall switch to be used with an AF-LMF Series valve kit using a 3-volt latching type solenoid. There are (2) LS Converter models available: **LSC** kit includes wire for connection to the solenoid only or **LSCW** kit includes wire for connection to the solenoid and 20-feet of 18/2 thermostat wire. Wall switch must be purchased locally for the exact color and style desired.

## CONTROL BOX

Install the (4) AA-size batteries supplied with the unit. 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.**

The remote receiver has a 2-position slide switch for selecting the mode of operation **ON/OFF**

- **ON:** will enable the control, allowing the appliance to be operated from a remotely located ON/OFF switch.
- **OFF:** will disable the control.
- **It is suggested that the slide switch be placed in the OFF position if you will be away from your home for an extended period of time.**



## WARNING

This control system must be installed exactly as outlined in these instructions. Read all instructions completely before attempting installation. Follow instructions carefully during installation. Any modifications of this control or any of its components will void the warranty and may pose a fire hazard.

Do not connect any gas valve or electronic module directly to 110-120VAC power. Consult gas appliance manufacturer's instructions and wiring schematics for proper placement of all wires. All electronic modules are to be wired to manufacturer's specifications.

The following wiring diagrams are for illustration purpose only. Follow instructions from manufacturer of gas valve and/or electronic module for correct wiring procedures. Improper installation of electric components can cause damage to electronic module, gas valve and remote receiver.

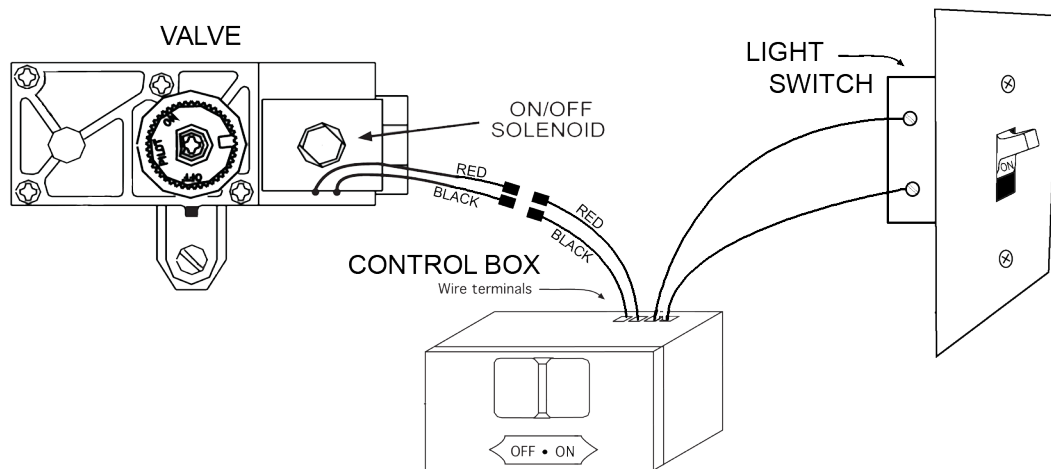
## INSTALLATION

The control box should be placed on or near the fireplace hearth. 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 control box slide switch is in the **OFF** position. After installation be sure that the slide switch is moved to the **ON** position.

## **WIRING INSTRUCTIONS**

- The control box can be placed on the fireplace hearth or under the fireplace behind the control access panel.
- Use the two left wires attached to the control box (Black and Red) to connect to solenoid. The colors must match (Red to Red, Black to Black).
- 20-feet of 18/2 thermostat wire is provided with LSCW only. If there is wire already ran from an ON/OFF switch to the appliance, this wire is not needed. If not, the wire can be ran from the receiver, inside the wall, to a junction box with a single pole light switch.
- The switch is not provided with this control, but it can be purchased locally for the exact color and style desired.
- Connect one end of the thermostat wire to the light switch and the other end to the two remaining holes on the top of the control box. The orientation/polarity of the wires does not matter.
- Ensure the wires are secured tightly in the terminal block by tightening the screw terminals.



## **BATTERY LIFE**

Life expectancy of the alkaline batteries in the control box should be at least 12 months. Check and replace all batteries:

- Annually.
- If the main flame ON/OFF operation ceases or becomes intermittent.
- If the remote receiver batteries measure less than 5.3 volts (all four batteries in combination).

## **TROUBLE SHOOTING**

If you encounter problems with your fireplace system, the problem could be the fireplace. Review the fireplace manufacturer's operation manual to make sure all connections are properly made. Then check the operation of the control box in the following manner:

- Make sure the control box slide switch is set to the ON position.
- Make sure the fireplace pilot flame is lit.
- Make sure the valves OFF/PILOT/ON knob is set to ON
- Make sure all batteries are correctly installed in the control box. Also check that the batteries are fully charged.
- Keep control box from temperatures exceeding 130° F. Battery life will be shortened if exposed to high temperatures.
- Check the wire connections at all terminals and joints.

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