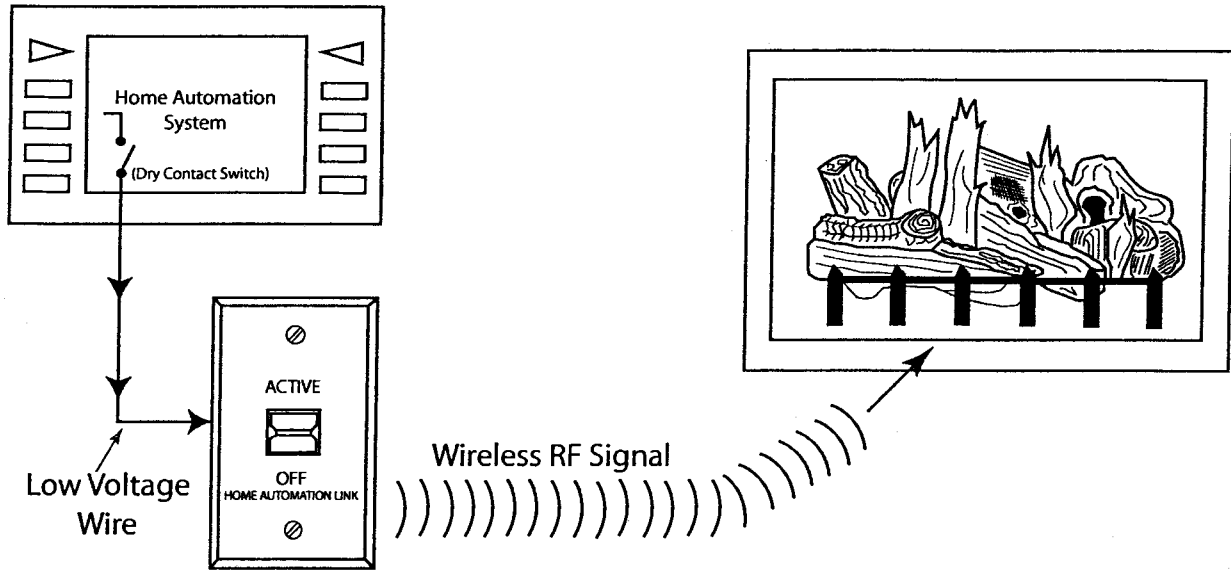


## Model: AF-4000HAT (Home Automation Transmitter)

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

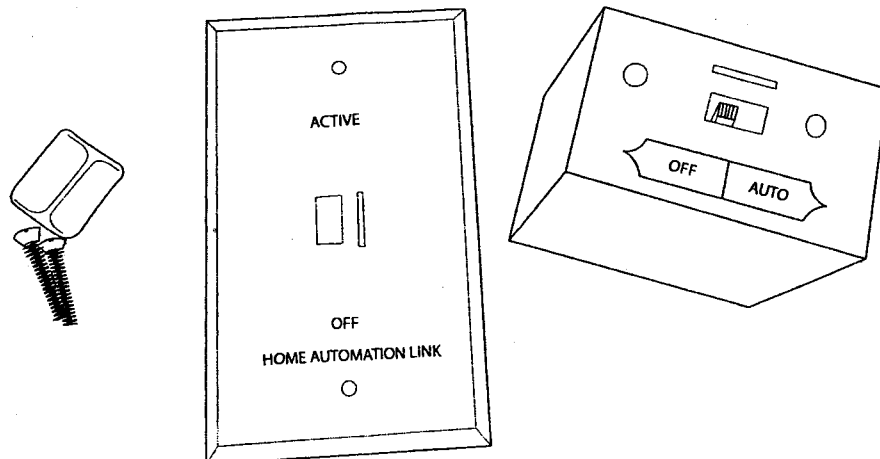
**Description:** The AF-4000HAT is a simple transmitter compatible with home automation systems to turn **ON** and **OFF** a gas appliance. When the home automation system sends an **ON** command (dry contacts closed) to the AF-4000HAT the transmitter senses continuity and sends a wireless RF signal to the appliance to turn it **ON**. When no continuity is sensed (home automation systems turns **OFF**) the transmitter sends a wireless RF signal to turn **OFF** the gas appliance.



**Fig. 1** Basic Operation of the AF-4000HAT System

This AF-4000HAT is designed to operate with the following American Flame control modules: **AF-4000MOD-1**, **AF-4000MOD## SERIES**, and **AF-5000MOD-1**. Low voltage wire (not provided) from the Home Automation System connects directly to the AF-4000HAT transmitter and must be located within 20-feet of the control module.

### CONTENTS



**Fig. 2** Contents: (1) HAT transmitter, (1) Face plate (1) Bolt bag with screws and slide button (4) AA Batteries (not shown)

## DESCRIPTION OF TRANSMITTER POSITIONS

**ACTIVE** - Position enables the user to operate the appliance with a home automation system including a hand held remote control.

**OFF** - Sends a wireless RF signal to turn OFF the appliance and ignores any commands from the Home Automation System. It will allow the appliance to be operated with a hand held remote (if applicable).

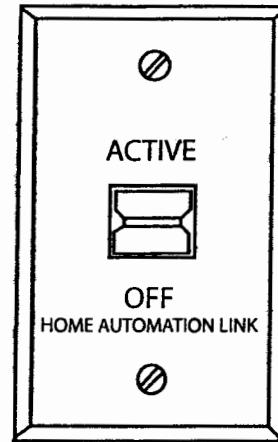


Fig. 3. Transmitter positions.

## INSTALLATION

**Step 1:** Find a suitable location to install the transmitter into a plastic junction box within 20-feet of the appliance.

**Step 2:** Run low voltage wire from the Home Automation System to the junction box.

**Step 3:** Install the (4) AA batteries into the transmitter.

**Step 4:** Secure the transmitter into the face plate by snapping it into place. See fig 4.

**Step 5:** Insert the low voltage wire into the back of the transmitter securing each wire into separate tabs and tightening the screws to hold each wire. **NOTE:** Wires are not polarity sensitive. Gently tug the wires to ensure they are secure. See fig. 5.

**Step 6:** Install the transmitter into the junction box, attach slide button and installation is complete. See fig. 6.

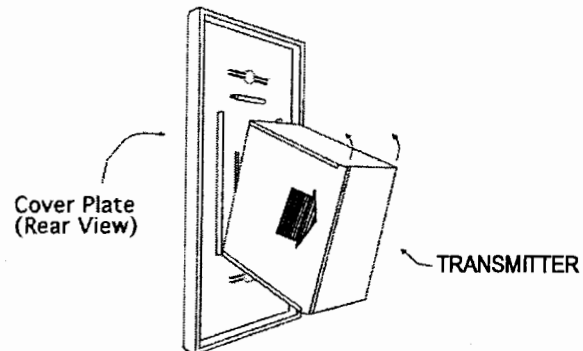


Fig. 4 Securing transmitter to face plate.

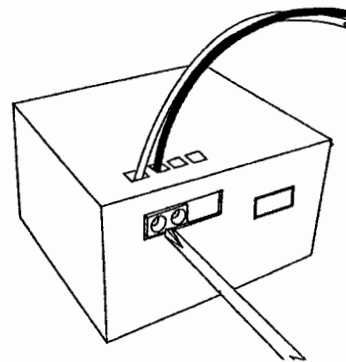


Fig. 5 Inserting thermostat wire in transmitter.

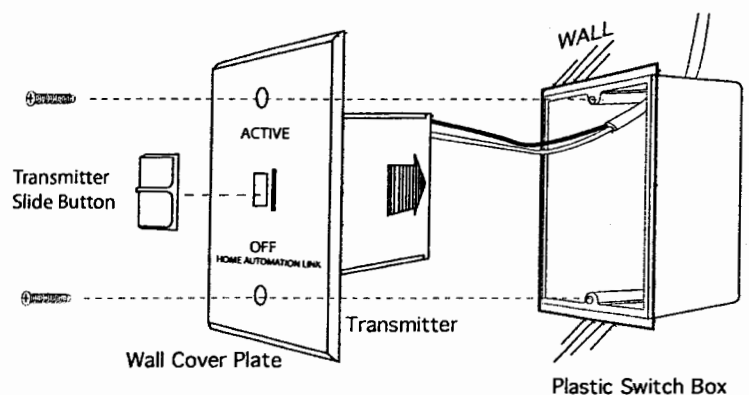


Fig. 6. Installing transmitter into junction box.

## LEARNING THE AF-4000HAT TO THE CONTROL MODULE

**NOTE:** The AF-4000HAT is designed to operate with AF-4000MOD-1, AF-4000MOD## SERIES, and AF-5000MOD-1 control modules.

- Step 1:** Ensure the control module REMOTE/OFF switch in the **REMOTE** position. See fig. 7.
- Step 2:** Slide AF-4000HAT switch to the **ACTIVE** position. See Fig.8
- Step 3:** Press and release the LEARN button on the control module and listen for a "beep". See fig. 8.
- Step 4:** Slide the AF-4000HAT switch to the **OFF** position. See fig. 10. The module will emit several beeps indicating the AF-4000HAT is now programmed and will operate with the Home Automation System when the switch is placed back in the **ACTIVE** position as shown in fig. 8.

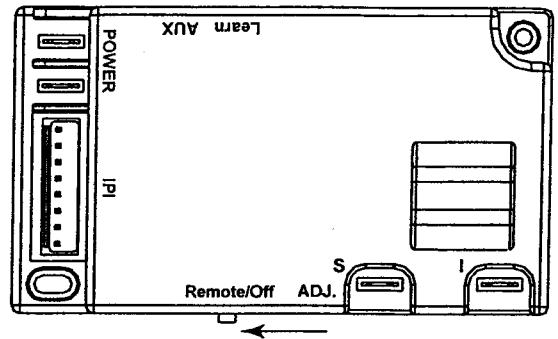


Fig. 7 Control module in REMOTE position.

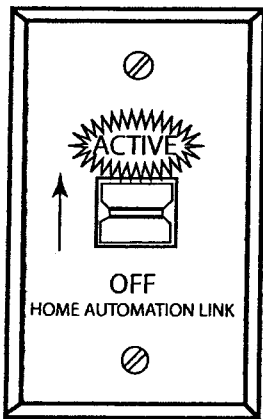


Fig. 8 AF-4000HAT switch to ACTIVE position.

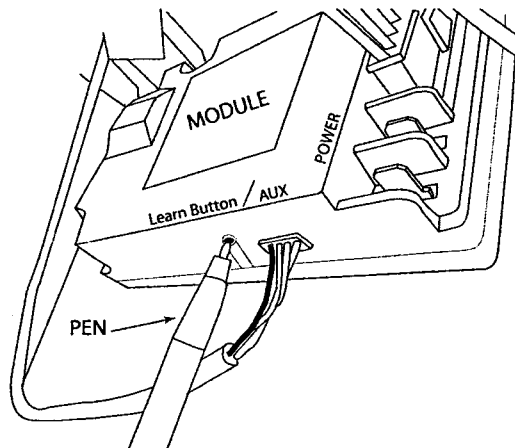


Fig. 9 Learn button on control module.

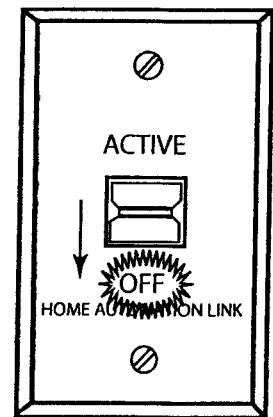


Fig. 10 AF-4000HAT switch to OFF position.

**NOTE:** It is important to note that the AF-4000HAT only controls ON/OFF of an appliance; not Hi/Lo. The control modules can "learn" more than one transmitter, which may have Hi/Lo control allowing the use of a hand held transmitter in conjunction with the AF-4000HAT. Check with your dealer to find out which wireless hand held transmitter can be used with your system.

## SPECIFICATIONS

BATTERIES: Transmitter (4) AA 1.5 Volts, Alkaline  
FCC ID No.'s: Transmitter – K9LAF4HAT  
Operating Frequency: 303.8MHZ  
Canadian IC ID No.'s: transmitter – 2439-AF4HAT

**FCC REQUIREMENTS**

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

For warranty information please contact the gas appliance supplier for this product.