

# WSK-SOUL-TMR

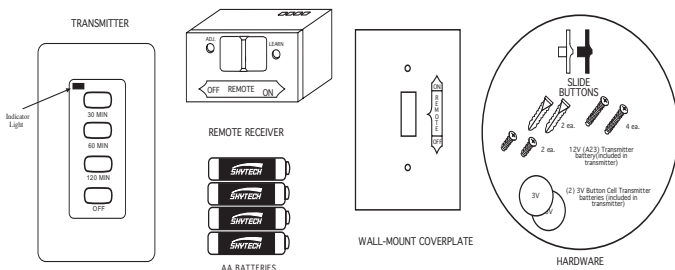
## INSTALLATION AND OPERATING INSTRUCTIONS

**Note:** In addition to these instructions read and follow instructions in gas appliance Owner's Guide.

### INTRODUCTION

Hearth & Home Technologies wireless wall mount timer system was developed to provide safe, reliable, and user-friendly remote control system for gas heating appliances. The system can be operated manually from the transmitter. The system operates on one of 65,536 security codes that are programmed into the transmitter at the factory.

### COMPONENTS



## WARNING

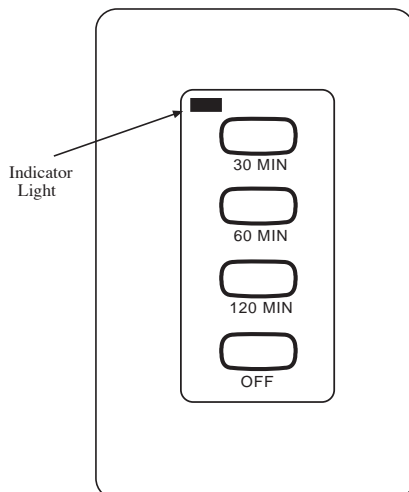
Hearth & Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions.

- Installation and use of any damaged system component.
- Modification of the system component.
- Installation other than as instructed by Hearth & Home Technologies.
- Installation and/or use of any component part not approved by Hearth & Home Technologies.

**Any such action may cause a fire hazard.**

Read, understand and follow these instructions for safety and operation.

### WALL TIMER

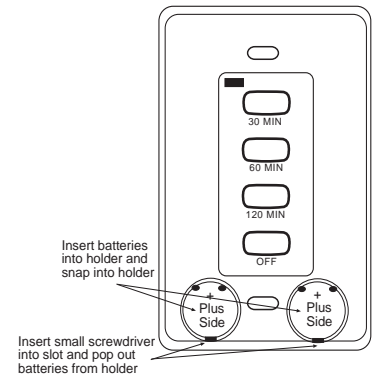


The wall timer operates on a (2) 3V button cell batteries (included) made specifically for remote controls and electronic lighters. Before using the wall transmitter, install the two (2) 3V button cell batteries. Follow instructions below.

The wall timer has a 30 min, 60 min, 120 min, and OFF buttons. When any of the buttons on the wall timer is pressed, a signal light on the wall timer illuminates briefly to verify that a signal has been sent. If the signal light does not illuminate, check the batteries. Upon initial use, there may be a delay of five seconds before the remote receiver will respond to the wall timer.

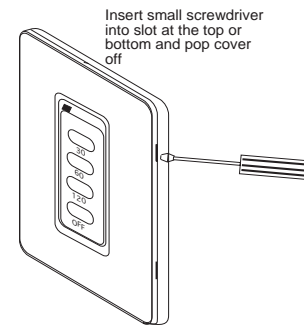
## TO INSTALL BATTERIES

1. Remove face from backing plate by inserting a small screwdriver into the small slot on the side at the top or bottom of the faceplate as shown below then snap OFF.
2. Locate the (2) holders for the 3V button cell batteries.
3. Place the button cell batteries into the battery holders and snap into place. (Make sure that the batteries are installed with the (+) plus side as shown to the right). Be careful to insert the batteries under the small upper tabs and not bend them.
4. After the batteries are installed replace the faceplate on the base.



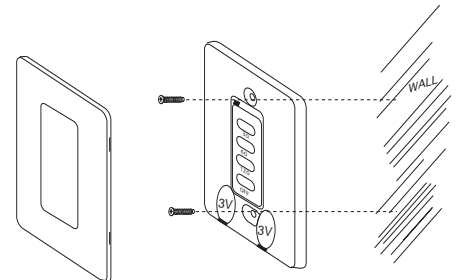
## TO REMOVE THE BATTERIES

1. Remove face from backing plate by inserting a small screwdriver into the small slot on the side at the top or bottom of the faceplate as shown to the right then snap OFF.
2. Locate the (2) holders for the 3V button cell batteries.
3. Insert a small screwdriver into the slot at the button cell battery and pop the battery out (Slots shown in picture above).
4. After the batteries are installed replace the faceplate.



## WALL MOUNTING THE TIMER

1. Remove face from backing plate by inserting a small screwdriver into the small slot at the top or bottom of the faceplate as shown to the right then snap OFF.
2. Locate the (2) two mounting holes and mark the holes on the wall.
3. Use the (2) two dry wall anchors and screws (that are supplied) to mount the base plate to the wall as shown.
4. The wall transmitter can also be mounted onto an existing (Plastic) electrical box.
5. Base plate should be mounted level on the wall for best operation.

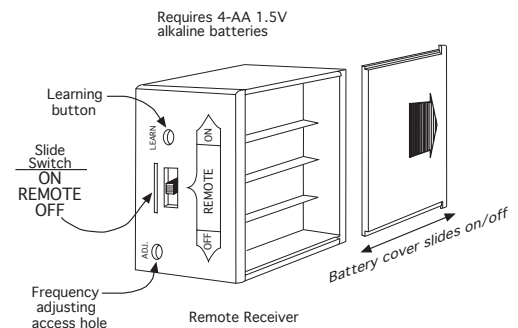


## RECEIVER

The remote receiver operates on 4 AA-size 1.5V batteries. It is recommended that ALKALINE batteries be used for longer battery life and maximum microprocessor performance. **IMPORTANT:** New or fully charged batteries are essential for proper operation of the remote receiver. Weak batteries may not receive the signal to turn off the fireplace.

The remote receiver houses the microprocessor that responds to commands from the transmitter to control system operation. The remote receiver has a 3-position slide switch for selecting the MODE of operation: ON/REMOTE/OFF

- With the slide switch in the ON position (toward the LEARN button), the system will remain on until the slide switch is placed in the OFF or REMOTE position.
- With the slide switch in the REMOTE position (centered), the system will only operate if the remote receiver receives commands from the transmitter.
- With the slide switch in the OFF position (away from the LEARN button), the system is off.
- 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. If the remote receiver is mounted out of children's reach, placing the slide switch in the OFF position also functions as a safety "lock-out" by both turning the system off and rendering the remote receiver inoperative.



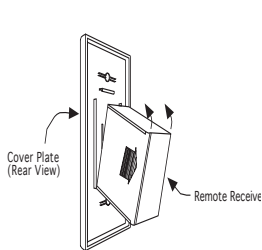
## INSTALLATION

The remote receiver can be either wall-mounted in a standard plastic switch box or placed on or near the fireplace hearth. Preferably, the remote receiver should be wall-mounted in a plastic switch box, as this will protect its electronic components from both the heat produced by the gas appliance and potential damage or abuse that can occur if it is left exposed on the hearth. **PROTECTION FROM EXTREME HEAT IS VERY IMPORTANT.** Like any piece of electronic equipment, the remote receiver should be kept away from temperatures exceeding 130<sup>0</sup> F inside the receiver case. Battery life is also significantly shortened if batteries are exposed to high temperatures.

Make sure the remote receiver switch is in the OFF position. It is recommended that 18 gauge solid or stranded wire be used to make connections between the terminal wiring block on the millivolt gas valve or electronic module and the wire terminals on the remote receiver. For the best results, use 18-gauge solid or stranded wire, with no splices and measuring no longer than 20 ft.

## WALL MOUNTING

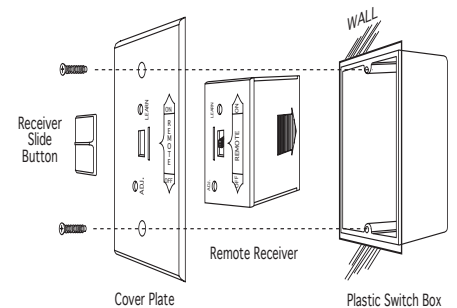
Install 4 AA-size 1.5 ALKALINE batteries in the remote receiver. For best performance, remote receiver batteries should be factory fresh when installed. Very little battery power is required to operate the remote receiver, but the electronics are tuned to operate best when battery output is greater than 5.3 volts. Four new AA batteries should provide an output voltage of 6.0 to 6.2 volts. **Be sure batteries are installed with the (+) and (-) ends facing the correct direction.**



To attach Cover Plate to Receiver box.

Position the receiver as shown in diagram to the left with lower tab on cover plate inserted into groove of receiver (Make sure ADJ hole and LEARN hole on cover plate properly aligns with remote receiver) Pull Receiver up and snap into top tab of cover plate.

Position the cover plate so the word ON is facing up; then, install the remote receiver into the plastic switch box using the two long screws provided. Push the White Button over the receiver slide switch only after making sure the remote receiver has LEARNED the transmitter's security code (see MATCHING SECURITY CODES).

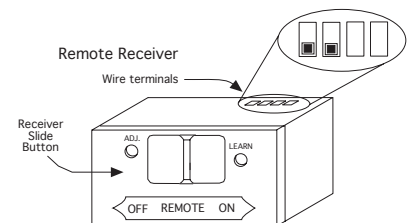


**NOTE:** The remote receiver will only respond to the transmitter when the 3-position slide button on the remote receiver is in the REMOTE position. If the system does not respond to the battery transmitter on initial use, see MATCHING SECURITY CODES, and recheck battery positions in the remote receiver.

## HEARTH MOUNT

The remote receiver can be placed on the fireplace hearth or under the fireplace, behind the control access panel. Position where the ambient temperature inside the receiver case does not exceed 130<sup>0</sup> F.

**NOTE:** Black Slide Button is used for Hearth Mount applications.



## WIRING INSTRUCTIONS

A qualified electrician or a gas technician who is familiar with the gas appliance and gas valves that will be operated by this remote should install the remote control system. Incorrect wiring connections **WILL** cause damage to the gas valve or electronic module operating the gas appliance and may also damage the remote receiver.

## **WARNING**

DO NOT CONNECT REMOTE RECEIVER DIRECTLY TO 110-120VAC POWER. THIS WILL BURNOUT THE REMOTE RECEIVER AND THE ELECTRONIC MODULE 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 DIAGRAMS THAT FOLLOW 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.

## **GENERAL INFORMATION**

### **MATCHING SECURITY CODES**

Each transmitter can use one of 65,536 unique security codes. It may be necessary to program the remote receiver to LEARN the security code of the transmitter upon initial use, if batteries are replaced, or if a replacement transmitter is purchased from your dealer or the factory. When matching security codes, be sure slide button on the receiver is in the REMOTE position; the code will NOT "LEARN" if the slide switch is in the ON or OFF position. Program the remote receiver to LEARN a new security code by pushing in the LEARN button on the top of the remote receiver and then pressing any button on the wall timer. A change in the beeping pattern, at the receiver, indicates the transmitter's code has been programmed into the receiver. When an existing receiver is matched to a new transmitter, the new security code will override the old one.

The microprocessor that controls the security code matching procedure is controlled by a timing function. If you are unsuccessful in matching the security code on the first attempt, wait 1-2 minutes before trying again – this delay allows the microprocessor to reset its timer circuitry – and try up to two or three more times.

### **PROGRAMING MULTIPLE TRANSMITTERS TO THIS RECEIVER**

NOTE: This receiver can hold from (1) to (3) different transmitter codes. This is for the times when a hand held transmitter or a second wall transmitter is required.

1. Press and release the **LEARN** button on the receiver.
2. When you hear the "Beep", press and hold the any button on the wall timer for about 2 seconds on the transmitter.
3. A confirming series of "Beeps" will come from the receiver to indicates that the receiver has accepted the transmitter code. Then the receiver will operate with both transmitters.
4. When the **LEARN** button is pressed and the receiver makes NO "Beep" sound this indicates that the receiver is unable to accept any more transmitter codes.
5. To clear the codes from the receiver and start programming over or add new transmitters, press and hold the **LEARN** button in for (10) seconds and release. Then, the receiver will emit a series of "Beeps," indicating that the receiver has cleared all codes and is ready to accept new codes.

### **BATTERY LIFE**

Life expectancy of the alkaline batteries in the HEARTH & HOME TECHNOLOGIES WSK-SOUL-TMR should be at least 12 months. Check and replace all batteries annually. When the transmitter no longer operates the remote receiver from a distance it did previously (i.e., the transmitter's range has decreased) or the remote receiver does not function at all, the batteries should be checked. It is important that the remote receiver batteries are fully charged and provides continuous output voltage of a least 5.3 volts. The length of the wire between the remote receiver and gas valve directly affects the operating performance of the remote system. The longer the wire, the more battery power is required to deliver signals between the remote receiver and the gas valve. Recommended length is no longer than 20 feet. The Wall Transmitter should operate with as little as 2.4 volts of battery power, measuring at each of the 3-volt button cell batteries.

## **TROUBLE SHOOTING**

If you encounter problems with your fireplace system, the problem may be with the fireplace itself or it could be with the HEARTH & HOME TECHNOLOGIES wall timer system. Review the fireplace manufacturer's operation manual to make sure all connections are properly made. Then check the operation of the HEARTH & HOME TECHNOLOGIES system in the following manner:

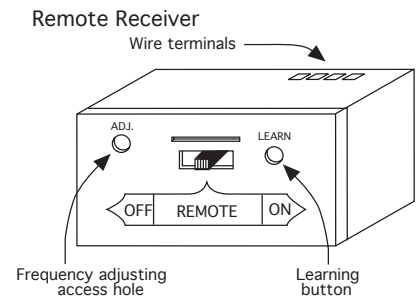
- Make sure the batteries are correctly installed in the RECEIVER. One reversed battery will keep receiver from operating properly.
- Check battery in Wall Transmitter to make sure they are good and installed correctly.
- Be sure RECEIVER and Transmitter is within 20'-25' operating range.
- Keep RECEIVER from temperatures exceeding 130<sup>0</sup> F. Battery life shortened when ambient temperatures are above 130<sup>0</sup> F.
- If RECEIVER is installed in tightly enclosed metal surround, the operating distance will be shortened.

## **RECEIVER ADJUSTMENT – RECOMMENDED ADJUSTMENT**

NOTE: The slide button, White or Black, covers the ADJ access hole when installed.

- To adjust at the receiver, use a small slotted screwdriver. Turn the adjustment screw counter-clockwise about 5 degrees or a maximum of 1/8 turn. This should correct the distance problem.
- If that does not correct the problem, return adjustment screw to original position and then turn adjustment screw clockwise.

This adjustment is like tuning your radio. If you keep turning the adjustment screw, in either direction, you will go past the proper setting (tuning).



## **SPECIFICATIONS**

BATTERIES: Transmitter (2) 3V Button Cell Batteries (CR-2032)

Remote Receiver 6V –4ea. AA 1.5 Alkaline

FCC ID No.'s: transmitter –K9LTMR2A; receiver – K9L3301RX

Operating Frequency: 303.875MHZ

Canadian ISC ID No.'s: transmitter –2439A-TMR2A; receiver – 2439A-3301RX

### **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.**