RMSC

Manual Flame Height Adjustment Remote Control

INSTALLATION AND OPERATING INSTRUCTIONS

SIGNATURE COMMAND® SYSTEM

This remote control provides a safe, reliable and user-friendly remote control for the signature command system. The system can be manually turned on and off with the transmitter. Always check the appliance home owner's manual for additional information, or warnings regarding accessory installation before using this remote control system.

Carefully inspect the contents for shipping damage. If any parts are missing or damaged, immediately contact the dealer from whom you purchased the kit or Ambient Technologies Technical Support at 800.398.6195. Do not attempt to install any part of the kit unless all parts are in good condition. Please keep this manual for future reference.

CONTENTS OF KIT

Description	Quantity
Transmitter	1
Battery Alkaline AAA (for Transmitter)	3
Installation Instructions	1

FEATURES/SPECIFICATIONS
- Three Flame Height Settings
- 90 Minutes Count Down Timer
- Battery Powered
- Child Proof Lock-out
- 16 Security Codes
- Low battery indicator
- Reset Button for transmitter

NOTE: Due to the sensitive temperature monitoring components in the transmitter, it is necessary to allow the transmitter to stabilize to room temperature before accurate room temperatures are displayed. If the transmitter is activated from a severe cold condition, allow 15 minutes for accurate temperature readings to appear on the LCD.

INSTALLATIONS

Installing Batteries
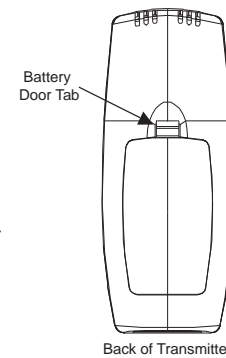The remote receiver uses three (3) "AA" batteries. To install batteries:
1. Press down the battery door tab and pull out to remove the battery door.
2. Install the batteries as indicated on transmitter.
3. Close the battery door by snapping in place.

> ⚠️ **WARNING: Important Safety Information**
> • Read this manual thoroughly prior to installing, programming or operating any remote control.
> - This remote control system requires three (3) "AAA" and four (4) "AA" alkaline batteries to power the transmitter and receiver.)
> - This remote control system should only be used as described in this manual. Any other use is prohibited and will void the warranty.
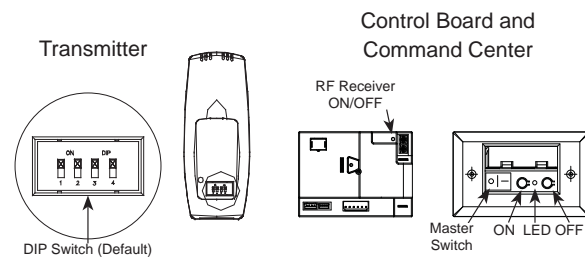
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4. When three batteries are installed, the transmitter will initialize for 10 seconds and then is ready for use.
5. The batteries should be replaced at least once every 6 months or when the low battery icon indicator is displayed. vided to the junction box.

Battery Door Tab

Back of Transmitter

Setting Privacy (DIP) Switch on Transmitter and the Learn Function
The remote transmitter privacy (DIP) switches are preset at the factory. In the event of activation or interference from other nearby transmissions, reset the code using the following procedures (learn function must be performed after changing the code):
1. Slide the code switches on the transmitter to your choice of ON or OFF position. Switches #1, #2, #3 and #4 are preset to "ON" for the transmitter.
2. The RF receiver button on the control board must be in the on position before the learn function can begin. Use paper clip to depress button, one beep for RF receiver ON or two beeps for RF receiver OFF.
3. Holding the OFF button on the Command Center while turning on the master switch will activate the learn function for the transmitter.
4. After the above operation, two beeps will be given and the green LED on the Command Center will flash for 10 seconds.
5. During the 10 seconds, press the OFF button on a transmitter to learn. Another two beeps will confirm success.

Transmitter

Control Board and Command Center

RF Receiver ON/OFF

DIP Switch (Default)

Master Switch   ON   LED OFF

> ⚠️ **WARNING**: Turn appliance OFF (at the appliance or remote receiver) if you are away from your house for a long period of time.

Reset Button
The reset button can be used to reset the transmitter if transmitter is not working properly. The reset button is located behind the battery door cover in the lower left corner of battery compartment.
Using a paper clip, press the reset button and the transmitter will Reset and initialize for 10 seconds before it can be used.

OPERATIONS
Transmitter

General
The RMSC Remote Control provides the manual and timed fireplace on/off operation as well as flame height control.
The transmitter will operate the remote receiver from 1 foot to a maximum of 30 feet. The distance is reduced when batteries are low or when the receiver is inside a metal enclosure.
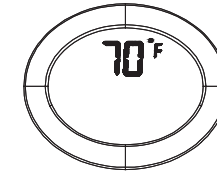
Initial Start-up
1. After initial power up or when RESET button is pressed, the transmitter is reset. The reset button is located inside the battery door.

> ⚠️ **WARNING**: Do not use two (2) or more remote control systems in the same area with the same dip switch settings, as they will communicate with each other. This may cause the appliances to malfunction.

2. During system reset, all features of the LCD display will be visible. After one second, the LCD displays will be initialized. A typical reset display is shown above. Note that the temperature scale is degree F.
3. Press the ON button button to select between °C and °F display. It will exit setting mode automatically after 10 seconds if no key is pressed. The transmitter will send an off signal after reset.
4. After reset the transmitter is operating in manual mode. The room temperature is shown as above.
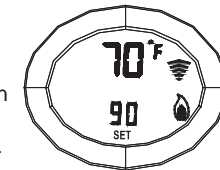
Manual Mode
1. Press the ON button once to turn on the appliance with max flame height.
2. Press the OFF button to decrease flame height. The first two pressing will decrease flame height to lower level. The third pressing will turn fireplace off.
3. At any time holding the OFF button for more than 3 second, fireplace will be shut off and remember the last setting.

Timer Mode
1. Press the TIMER button once to start the timer, 90 min as shown in the left Figure. Keep pressing the TIMER button to set up timer to 60 or 30 min as desired. Three seconds later, the tranmsitter will turn on the fireplace.
2. Once the timer starts to count down to 0 min, the transmitter will send off signal and turn off the fireplace.
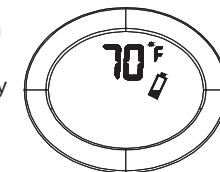3. To exit the timer mode, press the TIMER button and cycle the set time to "0."

Backlight
The backlight color will change according to the current temperature range. If the room temperature is over 78°F (26°C), then the backlight will be Red. If room temperature is less than 61°F (16°C), the backlight will be Green. Backlight will be Blue if the room temperature is between 61-78°F (16-26°C). When any key is pressed the backlight will turn on for 8 seconds and then turn off.
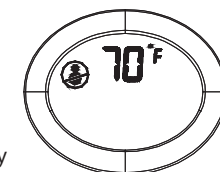
Low Battery Detection
When the battery voltage drops to a certain level, the LED on the transmitter will blink until the battery expires. Change the battery before the battery is too weak for normal operation. TURN THE UNIT OFF BEFORE REPLACING BATTERIES.

Child-Proof Protection
1. Press and hold ON and OFF buttons simultaneously for 3 seconds to enter child-proof mode.
2. The transmitter will not work until child-proof mode is deactivated by pressing the ON and OFF buttons simultaneously for 3 seconds again to exit child-proof mode.

⚠️ **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.

Transmitter Thermal Shutdown

1. If transmitter measures a room temperature exceeding 99 degrees Fahrenheit, the LCD will display "HI" and the transmitter will turn off the appliance.
2. Transmitter will not function until the room temperature has dropped below 99 degree Fahrenheit.
3. If transmitter measures a room temperature less than 40 degrees Fahrenheit, the LCD will display "LO" and NO SIGNAL will be sent to turn on the appliance.

TROUBLESHOOTING

Symptom	Causes	Action
Battery icon on transmitter LCD is displayed.	Low battery	1. Replace batteries. Change batteries every six months.
LCD display is blank.	Low battery	Check battery installation and replace batteries.
LCD shows a "funny" display.	Low battery	Press reset button at back of transmitter.
The receiver does not respond to transmitter.	1. Learning was not performed after setting the DIP (Privacy) swtich setting on transmitter. 2. Transmitter detects temperatures exceeding 99°F and shows "Hi" on LCD. 3. Distance between the transmitter and receiver is more than 30 feet.	1. Perform learning every time DIP settings are changed. 2. Move transmitter to a cooler place and wait until temperature drops below 99°F. 3. Make sure the operating distance is less than 30 feet.

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 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:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARRANTY

This warranty gives you specific legal rights and you may also have other rights that vary from state to state or province to province. Answers to any questions regarding our limited warranty may be obtained by writing our corporate offices.

Ambient Technologies warrants each new Ambient Technologies remote control against any defects that are due to faulty material or workmanship to the original owner, for a period of five years after the original date of purchase. This warranty and our liability does not apply to batteries, nor does it include damage to merchandise or the remote control resulting from accident, alteration, neglect, misuse, improper installation or any other failure to follow Ambient Technologies installation and operating instructions.

Ambient Technologies agrees to repair or replace at its option any Ambient Technologies remote control under warranty provided it is returned postage prepaid to our warranty facility in a padded carton within the warranty period, with proof of the original date of purchase and a brief description of the malfunction. This limited warranty does not include the cost of removal or re-installation. All Ambient returns must have a return authorization number from Ambient Technical Support.

Ambient ⌃
TECHNOLOGIES®

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