SkyTech RCT-MLT

SkyTech RCT-MLT Fireplace Remote Control System
INSTRUCTION MANUAL

1. Introduction

The SkyTech RCT-MLT remote control system provides a safe, reliable, and user-friendly method for operating Heat N Glo gas heating appliances. This system allows for both thermostatic and manual control directly from the transmitter. It operates on radio frequencies (RF) within a 20-foot range using non-directional signals, ensuring flexible placement. Each system is factory-programmed with one of 1,048,567 security codes, which must be matched between the transmitter and receiver for proper function.

Figure 1: SkyTech RCT-MLT Fireplace Remote Control System, showing the remote transmitter and receiver unit.

2. Safety Information

- Read all instructions carefully before installation and operation.
- Ensure the fireplace appliance is turned off and cooled before installing or servicing the receiver.
- Only qualified personnel should perform electrical wiring.
- Do not expose the remote transmitter or receiver to water or extreme temperatures.
- Keep batteries out of reach of children.

3. Package Contents

Verify that all components are present in the package:

- RCT-MLT Remote Transmitter
- RCT-MLT Remote Receiver
- Wall Holder for Transmitter
- All necessary batteries (for transmitter and receiver)
- Wiring harness and connectors

4. Setup

4.1. Battery Installation

The system includes all required batteries.

1. **Transmitter:** Open the battery compartment on the back of the remote transmitter and insert the specified batteries, observing polarity.

2. **Receiver:** Open the battery compartment on the receiver unit and insert the specified batteries, observing polarity.

4.2. Receiver Wiring

The receiver plugs into a standard 110-120 VAC receptacle. Connect the gas valve wires and fan wires (if applicable) to the clearly labeled terminals on the receiver unit. The receiver features a flip cover to protect its 6-button controls.
Note: If replacing an existing wired thermostat, simply unplug the old control unit and transfer the flame control solenoid wires and gas valve wires to the corresponding terminals on the new wireless control unit. The unit comes with male/female adapters for gas valve wiring.

4.3. Code Learning Procedure

Before initial use, the remote receiver's code must be matched to that of the transmitter.

1. Ensure batteries are correctly installed in both the transmitter and receiver.

2. Locate the "LEARN" button on the receiver unit (often under the flip cover).

3. Press and hold the "LEARN" button on the receiver until you hear a beep or see an indicator light flash.

4. Within 10 seconds, press any button on the remote transmitter.

5. The receiver will emit a series of beeps or flashes to confirm successful code learning.

Video 1: Demonstration of the SkyTech RCT-MLT remote control system's basic functionality and setup. This video illustrates the process of pairing the remote with the receiver and initial operation.

5. Operating Instructions

The RCT-MLT transmitter features an LCD display and multiple buttons for comprehensive control.

5.1. LCD Display Information

The LCD displays the current room temperature (in °F or °C), thermostat setting, a flame icon when active, and a low battery indicator.

5.2. Manual Operation

- **ON/OFF:** Press the ON button to turn the fireplace on, and the OFF button to turn it off.

- **Flame Height Control:** Use the dedicated buttons to adjust the flame height (if supported by your appliance).

- **Fan Speed Control:** Use the fan control buttons to adjust the speed of the fireplace blower (if applicable).

5.3. Thermostatic Operation

To activate thermostatic control:

1. Press the THERMO button on the transmitter.
2. Use the UP/DOWN arrow buttons to set your desired temperature.
3. The fireplace will automatically turn on or off to maintain the set temperature.

5.4. Timer and Clock Settings

The remote includes a 9-hour countdown timer and a 24-hour clock. Refer to the detailed instructions in the full manual for setting these features.

Video 2: Advanced features and operational modes of the SkyTech RCT-MLT remote, including thermostat settings and timer functions.

6. Maintenance

- **Battery Replacement:** Replace batteries in both the transmitter and receiver when the low battery indicator appears on the LCD, or if the remote's range or responsiveness decreases. Use only the specified battery types.
- **Cleaning:** Wipe the remote and receiver with a soft, dry cloth. Do not use abrasive cleaners or immerse in water.

7. Troubleshooting

Problem	Possible Cause	Solution
Remote not responding	Dead batteries; Receiver unplugged; Code not learned.	Replace batteries; Ensure receiver is plugged in; Perform code learning procedure (Section 4.3).
Fireplace does not turn on/off	Wiring issue; Appliance pilot light off; Gas supply off.	Check receiver wiring; Relight pilot light; Verify gas supply.
Inaccurate temperature reading	Transmitter placed near heat source/draft.	Relocate transmitter to a central area away from drafts or direct heat.
Low battery indicator on LCD	Transmitter or receiver batteries are low.	Replace batteries in the indicated unit.

8. Specifications

Model Number: RCT-MLT

Product Dimensions: 9 x 3 x 7 inches

Item Weight: 1.83 pounds

Manufacturer: Skytech

Power Source: Batteries (included) for transmitter and receiver; Receiver plugs into 110-120 VAC.

Operating Range: Up to 20 feet (RF non-directional)

Security Codes: 1,048,567 unique codes

9. Warranty Information

The SkyTech RCT-MLT Fireplace Remote Control System is backed by a **Limited Lifetime Warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms, conditions, and to make a warranty claim, please refer to the official SkyTech warranty documentation or contact customer support.

10. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact SkyTech customer support.

Manufacturer: Skytech

Please refer to the product packaging or the manufacturer's official website for the most current contact information.