SkyTech TS/R-2-A

SkyTech SKY-TS-R-2-A Fireplace Remote and Thermostat System User Manual

Model: TS/R-2-A

Introduction

The SkyTech TS/R-2-A remote control system is designed to provide safe and reliable operation for gas heating appliances. This system allows for both thermostatic and manual control from the transmitter. It operates using radio frequencies (RF) within a 20-foot range, utilizing non-directional signals and one of 1,048,576 security codes for secure communication. The remote receiver, powered by four AA batteries, processes commands from the transmitter to manage the appliance's operation.
This manual provides detailed instructions for the installation, operation, and maintenance of your SkyTech TS/R-2-A system.

System Components

The SkyTech TS/R-2-A system includes the following components:

- **Transmitter:** The handheld or wall-mounted unit with an LCD screen and control buttons.
- **Receiver:** The unit that connects to the gas appliance and receives signals from the transmitter.
- **Wall Clip:** For mounting the transmitter.
- **Wall Plate:** For mounting the receiver in a wall.
- **Wires with Connectors:** For connecting the receiver to the gas appliance.
- **Batteries:** Required for both transmitter and receiver.
- **Instruction Manual:** This document.

Image: Overview of the SkyTech TS/R-2-A system components, including the receiver, transmitter, and wall plate.

Setup and Installation

1. Battery Installation

Transmitter: Insert the specified batteries into the transmitter. Ensure correct polarity. The LCD screen should activate. (Typically uses AAA or similar small batteries, not explicitly detailed in product data).
Receiver: Insert four AA batteries into the receiver. The receiver is designed for millivolt gas valves only and acts as a dry contact switch, meaning it will not output any voltage.

2. Receiver Placement

The receiver can be installed in several locations:

- Behind the included faceplate in a wall.
- On the hearth.
- Under the fireplace, behind the control access panel.

Ensure the receiver is placed within 20 feet of the intended transmitter location for optimal signal reception.

3. Wiring the Receiver

Connect the receiver to your gas heating appliance using the provided wires with connectors. Refer to your appliance's manual for specific wiring instructions for a remote control system. The receiver acts as a simple on/off switch for the millivolt gas valve.

4. Pairing (Learning Function)

To establish communication between the transmitter and receiver:

1. Locate the "LEARN" button on the receiver.

2. Press and hold the "LEARN" button on the receiver until you hear a beep or see an indicator light flash (refer to receiver specific indicators).
3. Within 10 seconds, press any button on the transmitter (e.g., "ON" or "SET").
4. The receiver should emit a confirmation sound or light, indicating successful pairing.

Note: If pairing fails, ensure both units have fresh batteries and are within range, then repeat the process.

Operating Instructions

Receiver Mode Selection

The receiver has a 3-position slide switch for selecting the mode of operation:

- **ON:** The gas appliance will remain continuously on, bypassing remote control.
- **REMOTE:** The gas appliance will operate according to commands from the transmitter.
- **OFF:** The gas appliance will remain continuously off, bypassing remote control.

Set the receiver switch to **REMOTE** for normal operation with the transmitter.

Transmitter Functions

The transmitter features an LCD screen and three buttons: **ON**, **SET**, and **OFF**, along with up/down arrows.

- **LCD Display:** Shows the current room temperature and the set temperature (in Fahrenheit or Celsius).
- **ON Button:** Manually turns the gas appliance on.
- **OFF Button:** Manually turns the gas appliance off.
- **SET Button:** Used to enter thermostatic mode and adjust the desired temperature.
- **Up/Down Arrows:** Used to adjust the set temperature in thermostatic mode.

Manual Operation

To manually control the appliance:

- Press the **ON** button to turn the appliance on.
- Press the **OFF** button to turn the appliance off.

Thermostatic Operation

To operate the appliance thermostatically:

1. Ensure the receiver switch is set to **REMOTE**.
2. Press the **SET** button on the transmitter. The set temperature will flash on the LCD.
3. Use the **Up** or **Down** arrow buttons to adjust the desired temperature.
4. Press **SET** again or wait a few seconds for the setting to be saved.

The appliance will now cycle on and off to maintain the set temperature. Typically, the system activates when the room temperature drops a few degrees below the set temperature and turns off when it reaches a few degrees above the set temperature.

Changing Temperature Units (°F/°C)

The LCD screen displays temperature in Fahrenheit (°F) or Celsius (°C). Consult the transmitter's specific instructions (often a small switch or button combination) to toggle between these units if needed.

Maintenance

Battery Replacement

Replace batteries in both the transmitter and receiver annually, or immediately if the display becomes dim, the range decreases, or the system becomes unresponsive. Low batteries can lead to communication issues and unexpected system behavior.

- **Transmitter:** Typically uses AAA or similar small batteries. Refer to the battery compartment for exact type.
- **Receiver:** Uses 4 AA batteries.

Always use fresh, high-quality alkaline batteries. Dispose of old batteries responsibly.

Cleaning

Wipe the transmitter and receiver with a soft, dry cloth. Do not use abrasive cleaners or immerse the units in water.

Troubleshooting

- **System Unresponsive:**
  - Check batteries in both transmitter and receiver. Replace if low.
  - Ensure the receiver's slide switch is set to **REMOTE**.
  - Verify the transmitter and receiver are within the 20-foot operating range.
  - Re-attempt the pairing (learning) process.
- **Appliance Does Not Turn On/Off in Thermostatic Mode:**
  - Confirm the set temperature is appropriate for the desired operation (e.g., set higher than room temp to turn on).
  - Check for significant temperature fluctuations or drafts near the transmitter that might affect readings.
  - Ensure the receiver is properly wired to the gas appliance.
- **Inaccurate Temperature Reading:**
  - Ensure the transmitter is not placed near heat sources, direct sunlight, or drafts that could skew readings.
  - Compare the transmitter's reading with another reliable thermometer in the same location. Small discrepancies (1-3 degrees) can occur due to placement or sensor variations.
- **Intermittent Operation:**
  - This can often be caused by low batteries. Replace them.
  - Check for sources of radio frequency interference (e.g., other wireless devices, large metal objects) between the transmitter and receiver.

Specifications

Feature	Detail

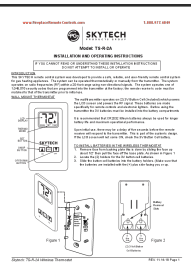
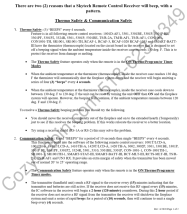
Model Number	TS/R-2-A
Product Dimensions	7 x 4 x 4 inches
Item Weight	13.6 ounces
Manufacturer	Skytech
Transmitter Batteries	(Not specified in product data, typically AAA or similar)
Receiver Batteries	4 AA batteries (included)
Operating Range	Up to 20 feet (non-directional RF)
Security Codes	1,048,576
Receiver Compatibility	Millivolt gas valves only (dry contact switch)

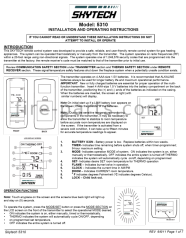
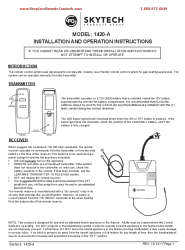
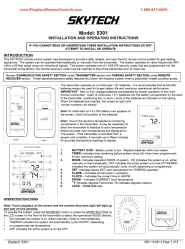
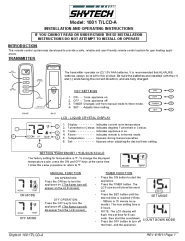
Warranty and Support

Specific warranty information for the SkyTech TS/R-2-A system is not provided in this manual. For details regarding warranty coverage, please refer to the documentation included with your purchase or contact SkyTech customer support directly.

For technical assistance or further inquiries, please visit the official SkyTech website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.

Related Documents - TS/R-2-A

	Skytech TS-R-2A Wireless Thermostat Installation and Operating Instructions Comprehensive guide for installing and operating the Skytech TS-R-2A wireless thermostat system for gas fireplaces, including wiring, system checks, and troubleshooting.
	Skytech Beeping Receivers: Understanding Thermo Safety and Communication Safety Learn why Skytech remote control receivers beep, focusing on Thermo Safety and Communication Safety features. Includes troubleshooting tips and compatible models.

	[Skytech 5310 Gas Fireplace Remote Control System: Installation and Operating Instructions] Comprehensive guide for installing and operating the Skytech 5310 remote control system for gas heating appliances, covering setup, functions, safety features, troubleshooting, and warranty.
	[Skytech 1420-A Remote Control System: Installation and Operation Instructions] Comprehensive guide for installing and operating the Skytech 1420-A remote control system for gas fireplaces, including wiring, troubleshooting, and warranty information.
	[Skytech 5301 Installation and Operating Instructions] Comprehensive installation and operating instructions for the Skytech 5301 fireplace remote control system, covering setup, features, safety, troubleshooting, and warranty. Includes details on transmitter and receiver operation, wiring, and system checks.
	[Skytech 1001 T/LCD-A Fireplace Remote Control: Installation & Operation Manual] Comprehensive installation and operating instructions for the Skytech 1001 T/LCD-A remote control system, covering transmitter and receiver setup, functions, wiring, troubleshooting, warranty, and an exclusive offer for Skytech Hearth Product owners.