Durablow TR1004

Durablow TR1004 Gas Fire Fireplace Remote Control Kit User Manual

Model: TR1004 | Brand: Durablow

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Durablow TR1004 Gas Fire Fireplace Remote Control Kit. This kit offers wireless remote control functionality for gas heating appliances, such as gas fireplaces, equipped with a millivolt valve or IPI module. It features a backlit transmitter with thermostat and timer functions, designed to replace a traditional wall switch or thermostat for enhanced convenience and control.

The Durablow TR1004 system includes a battery-powered RF transmitter and a receiver unit, enabling remote operation of your fireplace. Key features include a controllable temperature range from 45℉ (7℃) to 99℉ (37℃), a timer function adjustable from 15 minutes to 9 hours, and a childproof safety lock. The backlit LCD screen on the transmitter ensures easy readability in low-light conditions. This product is FCC approved, ensuring reliable and safe operation.

2. Package Contents

Please verify that all components are present in your package:

- Remote Transmitter (with backlit LCD screen)
- Receiver Box
- Wall Mount Cover Plate
- Screws for installation
- Slide Switch
- Wires with Connectors
- User Manuals/Instructions



Figure 2.1: Overview of the Durablow TR1004 remote control kit components, including the remote transmitter, receiver box, and wall mount cover plate.

3. Setup and Installation

3.1. Battery Installation

The remote transmitter requires two (2) 1.5V AAA batteries, and the receiver operates on four (4) AA batteries. Batteries are not included. For optimal performance and to prevent corrosion from leaks, Energizer Lithium Batteries are strongly recommended.

1. Open the battery compartment on the back of the remote transmitter.
2. Insert two (2) AAA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment.
4. Open the battery compartment on the receiver box.
5. Insert four (4) AA batteries, ensuring correct polarity (+/-).

6. Close the battery compartment.



Figure 3.1: Image showing the open battery compartment of the remote transmitter, indicating where to insert AAA batteries.



Figure 3.2: Image displaying the receiver box with its battery compartment open, showing the slots for AA batteries. Dimensions are also visible.

3.2. Receiver Placement and Wiring

The receiver unit should be placed in a location where temperatures do not exceed 130°F (54°C). It is designed to connect to your gas fireplace's millivolt valve or electric spark ignition module.

Important Note: This device is not a power supply/ignitor unit. It does not provide voltage output itself but passes voltage from your fireplace thermopile for safety reasons. If using it as a switch, connect it with a power source or circuit in series.

1. Locate the existing wall switch or thermostat wires connected to your fireplace's gas valve or ignition module.
2. Disconnect the existing wires from the fireplace's control terminals (typically labeled TH/TP or similar).
3. Connect the two 18-inch wires from the Durablow receiver to these same terminals. The connection is non-polar, so either wire can connect to either terminal.
4. Ensure all connections are secure.
5. Mount the receiver box using the provided wall mount cover plate and screws, if desired. The receiver box dimensions are approximately 2.6" x 2.4" x 1.54".



Figure 3.3: Image showing the receiver box with its wires connected, ready for installation into the fireplace system.

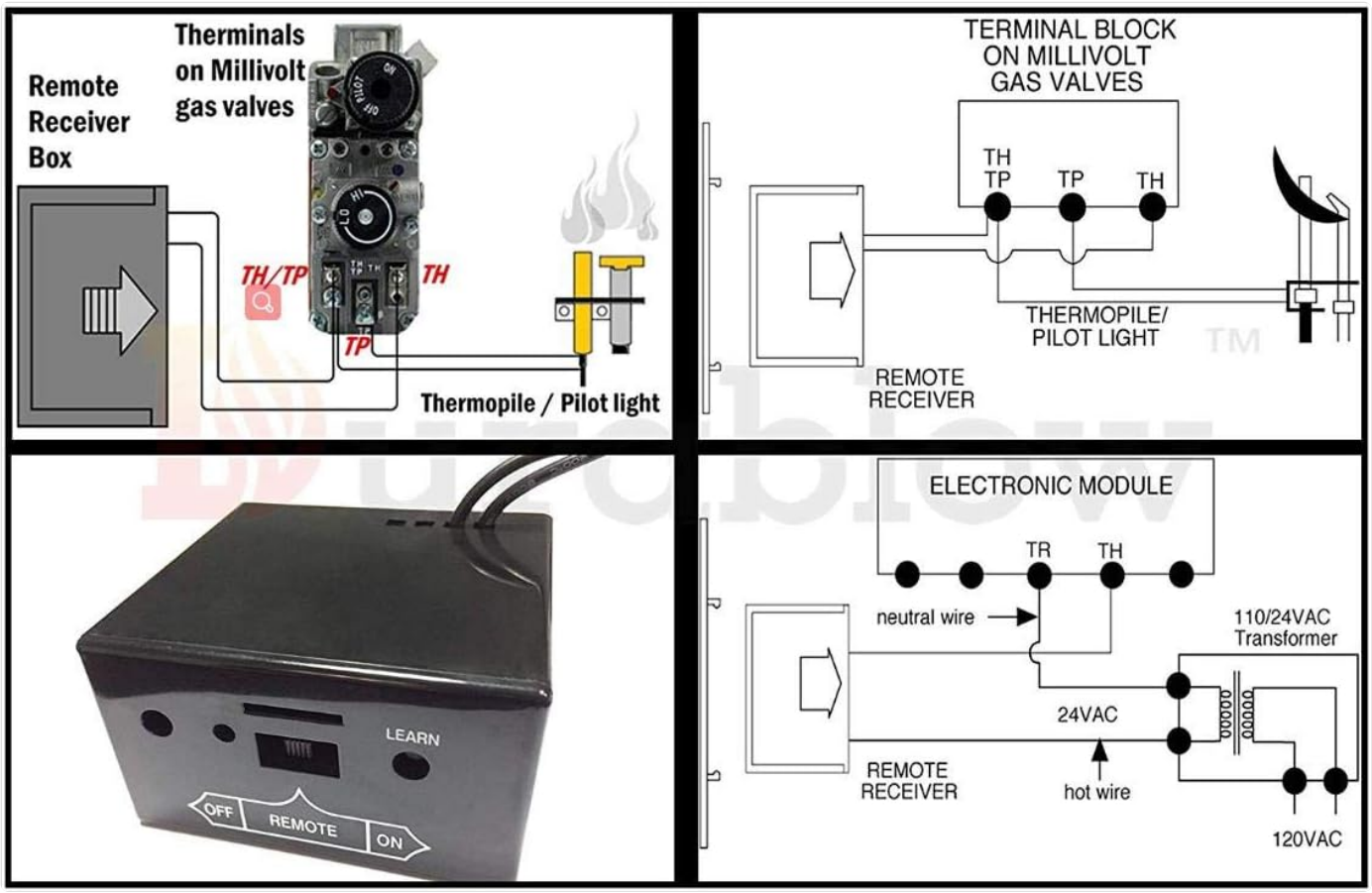


Figure 3.4: Detailed wiring diagrams illustrating connections for both Millivolt gas valves and Electronic Ignition Modules. Please refer to your fireplace's manual for specific terminal locations.



Figure 3.5: The white wall mount cover plate provided for a neat installation of the receiver box.

3.3. Pairing the Transmitter and Receiver

The transmitter and receiver are typically pre-paired from the factory. If re-pairing is necessary or if you are setting up for the first time, follow these steps:

1. Ensure batteries are correctly installed in both the transmitter and receiver.
2. On the receiver unit, locate the "LEARN" button (often a small black button near the slide switch).
3. Press and hold the "LEARN" button on the receiver until you hear a beep or see an indicator light flash (refer to receiver for specific indicator).
4. Within 10 seconds, press any button on the remote transmitter.
5. The receiver will emit a series of beeps or the indicator light will change, confirming successful pairing.

4. Operating Instructions

The Durablow TR1004 remote control offers multiple operating modes for your convenience.



Figure 4.1: Detailed view of the remote control's backlit LCD screen and control buttons, including MODE, ON/OFF, OK, and temperature adjustment buttons.

4.1. Basic On/Off Operation

- Press the **MODE ON/OFF** button once to turn the fireplace ON.
- Press the **MODE ON/OFF** button again to turn the fireplace OFF.

4.2. Thermostat Mode

In Thermostat mode, the fireplace will automatically turn ON or OFF to maintain a set room temperature. The controllable temperature range is from 45℉ (7℃) to 99℉ (37℃).

- Press the **MODE ON/OFF** button repeatedly until "THERMO" appears on the LCD screen.
- Use the **+** or **-** buttons to adjust the desired set temperature.
- The fireplace will activate when the room temperature falls below the set temperature (with a swing of 1°F, 2°F, or 3°F, depending on settings) and deactivate when it reaches or exceeds the set temperature.

4.3. Timer Mode

The timer function allows you to set a duration for the fireplace to operate, ranging from 15 minutes to 9 hours.

- Press the **MODE ON/OFF** button repeatedly until "TIMER" appears on the LCD screen.
- Use the **+** or **-** buttons to set the desired operating time.
- Press **OK** to confirm the timer setting. The fireplace will turn off automatically after the set time expires.

4.4. Childproof Safety Lock

To prevent unintended operation, the remote transmitter features a childproof safety lock.

- To activate the lock: Press and hold the **+** and **-** buttons simultaneously for a few seconds until a lock icon appears on the screen.
- To deactivate the lock: Press and hold the **+** and **-** buttons simultaneously again until the lock icon disappears.

5. Maintenance

- **Battery Replacement:** Replace batteries in both the transmitter and receiver when the low battery indicator appears on the transmitter's LCD screen or when the remote control range decreases significantly.
- **Cleaning:** Clean the remote transmitter and receiver with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Receiver Placement:** Periodically check that the receiver unit remains in a location where it is not exposed to excessive heat (above 130°F / 54°C) to ensure longevity.
- **Wire Connections:** Ensure all wire connections to the fireplace valve remain secure and free from corrosion.

6. Troubleshooting

If you experience issues with your Durablow TR1004 remote control kit, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fireplace does not turn ON/OFF via remote.	Low or dead batteries. Transmitter and receiver not paired. Receiver slide switch in "OFF" position. Wiring issue. Remote out of range.	Replace batteries in both units. Re-pair transmitter and receiver (see Section 3.3). Ensure receiver slide switch is in "REMOTE" or "ON" position. Check all wiring connections for security. Move closer to the receiver (max 20-foot range).
Remote LCD screen is blank or dim.	Low or dead AAA batteries in transmitter.	Replace AAA batteries in the transmitter.
Thermostat mode not maintaining temperature.	Incorrect temperature swing setting or placement.	Adjust temperature swing settings on the transmitter. Ensure transmitter is not in a drafty area or near a heat source.
Timer function not working.	Timer not set correctly or not activated.	Ensure "TIMER" mode is selected and a duration is set and confirmed.

For more detailed troubleshooting, please refer to the official Troubleshooting Guide (PDF).

7. Specifications

Feature	Detail
Brand	Durablow
Model Name	TR1004
Product Dimensions	1.54"D x 2.4"W x 2.6"H
Controller Type	RF Transmitter Handset
Special Feature	Thermostat, Backlit LCD Screen
Color	White
Specific Uses For Product	Gas Fireplace Remote Control
Temperature Control Type	Heating
Connectivity Technology	RF
Included Components	Remote transmitter, receiver box, wall mount cover plate, screws, slide switch, wires with connectors, and manuals
Power Source	Battery Powered
Voltage	1.5V (for transmitter)
Material	RF Wireless
Shape	Rectangular
Display Type	LCD
Finish Type	Powder Coated
Control Type	Slide Switch
Control Method	Remote
Connectivity Protocol	RF
Mounting Type	Wall Mount
Style	Modern
Backlight	Yes
Item Weight	8.8 ounces

8. Warranty Information

Durablow products are manufactured with high-quality standards. For specific warranty details regarding your TR1004 remote control kit, please refer to the documentation included in your product packaging or contact Durablow customer support.

9. Customer Support

For further assistance, technical support, or inquiries about your Durablow TR1004 remote control kit, please visit the official Durablow store or contact their customer service team:

- **Online Store:** Durablow Amazon Store
- **Troubleshooting Guide:** Download PDF

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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