

Blodgett BLR2506

# Blodgett R2506 Time Relay Kit User Manual

For K4, K5, K7 Oven Models

## 1. INTRODUCTION

### 1.1 Product Overview

The Blodgett R2506 Time Relay Kit is an essential component designed for precise timing control in Blodgett K4, K5, and K7 oven models. This electromechanical relay ensures accurate operation of oven functions that require timed sequences, contributing to consistent cooking results and operational efficiency. It is built for durability and reliable performance in commercial kitchen environments.

### 1.2 Safety Information

**WARNING:** Electrical components can be hazardous. Installation, maintenance, and troubleshooting should only be performed by qualified and certified personnel. Disconnect power to the appliance before servicing. Failure to follow these instructions may result in electrical shock, fire, or serious injury. Always adhere to local electrical codes and regulations.

## 2. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package. The Blodgett R2506 Time Relay Kit typically includes:

- 1 x Blodgett R2506 Time Relay Unit
- Associated wiring (as pre-attached or included)
- Installation instructions/diagram (if not part of this manual)

## 3. SPECIFICATIONS

Feature	Detail
Model Number	BLR2506
Product Type	Time Relay Kit

Feature	Detail
Compatibility	Blodgett K4, K5, K7 Oven Models
Package Dimensions	8 x 6 x 4 inches
Item Weight	0.4 lbs (4.8 ounces)
Country of Origin	United States
Connector Type	Screw
Contact Material	Silver
Mounting Type	Panel Mount
Operation Mode	Automatic

## 4. SETUP AND INSTALLATION

Installation of the Blodgett R2506 Time Relay Kit requires electrical expertise. It is strongly recommended that installation be performed by a qualified service technician to ensure proper function and safety.

### 4.1 General Installation Guidelines

- Disconnect Power:** Before beginning any installation, ensure the oven is completely disconnected from its power source.
- Access Panel:** Locate and open the access panel on your Blodgett K4, K5, or K7 oven where the existing time relay is situated or where the new relay is to be installed.
- Identify Components:** Carefully identify the existing relay (if replacing) and its associated wiring. Take photos for reference if needed.
- Mounting:** The relay is designed for panel mounting. Secure the new R2506 relay firmly in the designated mounting location within the oven's control panel.

### 4.2 Wiring Connections

The R2506 Time Relay uses screw-type connectors for secure electrical connections. Refer to the wiring diagram provided with your specific oven model or the relay kit for precise connection points. Ensure all connections are tight and correct to prevent electrical hazards or malfunction.



Figure 1: Front view of the Blodgett R2506 Time Relay Kit, showing the main unit with pre-attached wires and protective orange caps on terminals.

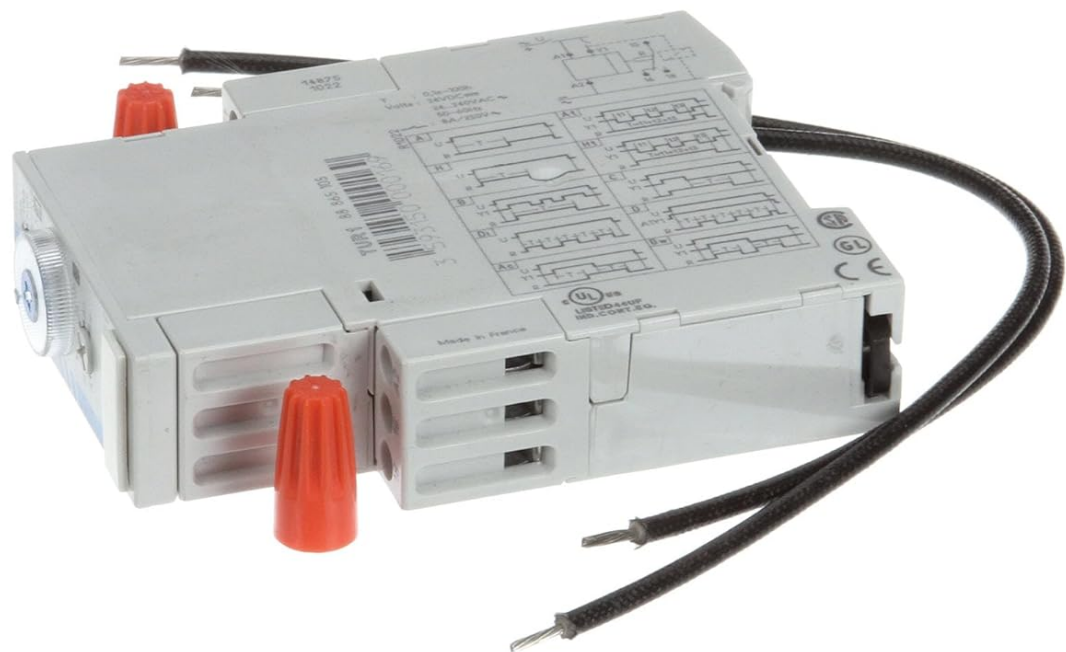


Figure 2: Side view of the Blodgett R2506 Time Relay Kit, highlighting the wiring connections and the overall compact design.



Figure 3: Angled view of the Blodgett R2506 Time Relay Kit, providing a clearer look at the internal circuit diagrams printed on the casing.



Figure 4: Top-down view of the Blodgett R2506 Time Relay Kit, showing the adjustable control dial for setting timing parameters.

### 4.3 Post-Installation Check

After installation, secure the access panel. Before restoring power, double-check all connections and ensure no tools or loose items are left inside the oven's control area. Restore power and test the oven's timed functions to confirm proper operation of the new relay.

## 5. OPERATION

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The Blodgett R2506 Time Relay operates automatically, as indicated by its specifications. Its primary function is to control the duration of specific oven cycles or components based on pre-set timing parameters.

### 5.1 Basic Functionality

Once installed and powered, the relay receives signals from the oven's control system to initiate a timed sequence. It then maintains a circuit connection for the programmed duration before automatically switching off or on, depending on its specific role within the oven's operation.

### 5.2 Setting the Timer

The R2506 relay features an adjustable dial (visible in Figure 4) that allows for setting the desired time delay or duration. The specific range and increments for timing adjustments will be marked on the dial itself. Consult your oven's main user manual for instructions on how to calibrate or set the timing for specific cooking programs or functions that utilize this relay.

## 6. MAINTENANCE

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The Blodgett R2506 Time Relay Kit is designed for minimal maintenance. However, periodic inspection can help ensure its longevity and reliable performance.

- **Visual Inspection:** Annually, or as part of routine oven maintenance, visually inspect the relay for any signs of physical damage, discoloration from overheating, or loose connections.
- **Cleaning:** Ensure the area around the relay is free from dust, grease, and debris. Use a dry, soft cloth or a gentle brush to clean the exterior of the relay. Do not use liquid cleaners directly on the component.
- **Professional Servicing:** Any internal issues or suspected malfunctions should be addressed by a qualified service technician. Do not attempt to open or repair the relay yourself.

## 7. TROUBLESHOOTING

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If the oven's timed functions are not operating correctly, the time relay may be a contributing factor. Always ensure power is disconnected before inspecting components.

Problem	Possible Cause	Solution
Timed function does not activate.	No power to relay, faulty wiring, relay failure.	Verify power supply to the oven. Check all wiring connections for tightness and continuity. If connections are good, the relay may need replacement by a qualified technician.
Timed function activates but does not turn off.	Relay contacts stuck, internal relay failure.	This indicates an internal fault with the relay. Replacement by a qualified technician is required.
Inaccurate timing.	Incorrect dial setting, internal relay calibration issue.	Ensure the dial is set correctly according to oven specifications. If the issue persists, the relay may be faulty and require replacement.
Burning smell or visible damage.	Overheating, short circuit, component failure.	Immediately disconnect power. Do not attempt to operate the oven. Contact a qualified service technician for inspection and repair/replacement.

For issues not listed above, or if troubleshooting steps do not resolve the problem, contact Blodgett customer support or a certified service technician.

## 8. WARRANTY AND SUPPORT

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### 8.1 Manufacturer's Warranty

The Blodgett R2506 Time Relay Kit is covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary. Please refer to the warranty documentation included with your purchase or visit the official Blodgett website for detailed information.

### 8.2 Customer Support





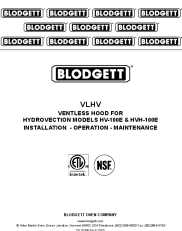
For technical assistance, parts inquiries, or warranty claims, please contact Blodgett customer support. Have your product model number (BLR2506) and purchase information ready when contacting support.

**Blodgett Official Website:** [www.blodgett.com](http://www.blodgett.com)

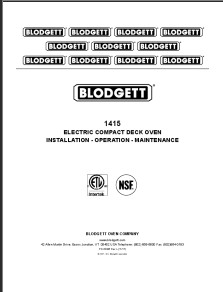
(Contact information such as phone numbers or specific email addresses may be found on the official website or your purchase invoice.)



Related Documents - BLR2506

	<p><a href="#">Blodgett Combi Synergy Oven Cooking Guide: Modes, Tips, and Recipes</a></p> <p>A comprehensive cooking guide for the Blodgett Combi Synergy oven, detailing its Steam, Hot Air, and Combi modes, offering special techniques, troubleshooting tips, and extensive time and temperature recommendations for various food items.</p>
	<p><a href="#">Manuel d'Installation, Fonctionnement et Entretien pour Fours à Convection Blodgett DFG-100-K12-ES et DFG-200-K12-ES</a></p> <p>Ce manuel fournit des instructions détaillées pour l'installation, le fonctionnement et l'entretien des fours à convection Blodgett modèles DFG-100-K12-ES et DFG-200-K12-ES. Il couvre les spécifications techniques, les procédures de sécurité et les conseils d'utilisation pour assurer des performances optimales.</p>
	<p><a href="#">Manuel d'Installation, Fonctionnement et Entretien pour Fours à Convection Blodgett DFG-100-K12 et DFG-200-K12</a></p> <p>Manuel complet pour l'installation, le fonctionnement et l'entretien des fours à convection Blodgett modèles DFG-100-K12 et DFG-200-K12. Inclut les spécifications, les consignes de sécurité, les procédures de démarrage et de dépannage.</p>
	<p><a href="#">Blodgett CTB &amp; CTBR Electric Convection Oven: Service and Repair Manual</a></p> <p>Detailed service and repair manual for Blodgett CTB and CTBR electric convection ovens, covering assembly, operation, calibration, troubleshooting, and parts replacement.</p>
	<p><a href="#">Blodgett VLHV Ventless Hood Installation, Operation, and Maintenance Manual</a></p> <p>Comprehensive guide for installing, operating, and maintaining the Blodgett VLHV Ventless Hood for Hydrovection Models HV-100E and HVH-100E. Includes safety, connection, operation, and maintenance procedures.</p>





[Blodgett 1415 Electric Compact Deck Oven: Installation, Operation, and Maintenance Manual](#)

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Blodgett 1415 Electric Compact Deck Oven. It includes detailed specifications, electrical connection guidance, assembly procedures, control panel operation, cleaning protocols, and a troubleshooting guide to ensure optimal performance and longevity of the equipment.