



Manuals.plus /

› Crypticorps /

› Crypticorps Honeywell Compatible Intermittent Ignition Oil Primary Control User Manual (Models R8184G4009, ICM1503)

Crypticorps R8184G4009,ICM1503,R8184G1138,R8184G1427,R8184G4025

Crypticorps Honeywell Compatible Intermittent Ignition Oil Primary Control User Manual

Models: R8184G4009, ICM1503, R8184G1138, R8184G1427, R8184G4025

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Crypticorps Intermittent Ignition Oil Primary Control. This control unit is designed for use with oil burner systems requiring intermittent ignition and is compatible with various Honeywell systems. Please read this manual thoroughly before proceeding with installation or operation.

2. SAFETY INFORMATION

WARNING: FIRE HAZARD!

- Always disconnect electrical power to the heating system before installing or servicing this control unit to prevent electrical shock or equipment damage.
- To avoid spilling fuel oil, only press the reset button when necessary.
- If the burner does not light after attempting to reset, do not repeatedly press the reset button. Contact a qualified local service company for assistance.
- Installation and servicing must be performed by a qualified technician in accordance with all local codes and ordinances.
- Use copper conductors only for all wiring connections.

3. PRODUCT OVERVIEW

The Intermittent Ignition Oil Primary Control manages the ignition and combustion sequence of an oil burner. It provides timed ignition, flame sensing, and safety lockout features to ensure safe and efficient operation of the heating system.



Figure 1: Top view of the control unit, illustrating the wiring terminals, operational ratings, and the red reset button.

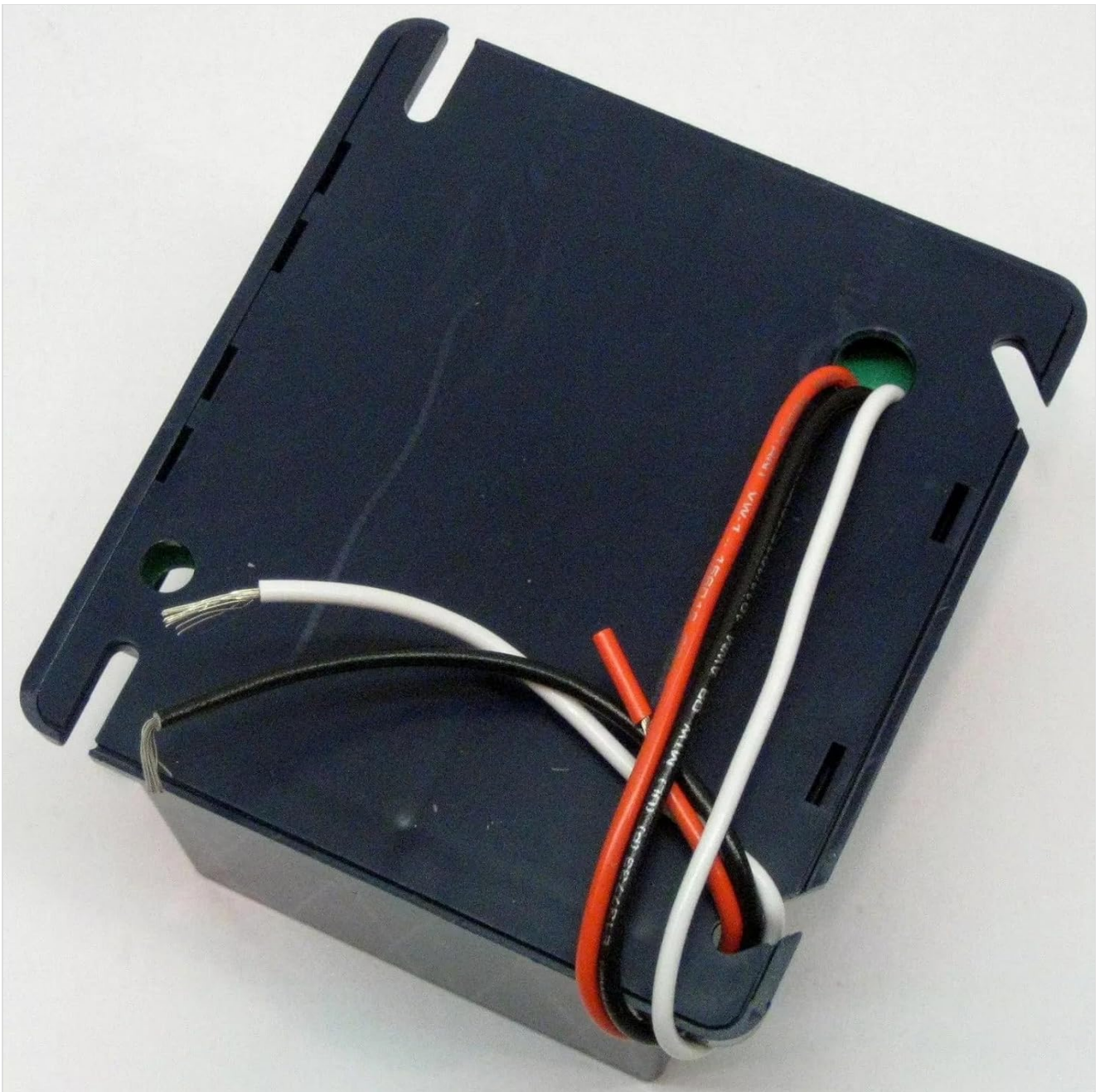


Figure 2: Side view of the control unit, showing the pre-wired connections for installation.

4. SPECIFICATIONS

Parameter	Value
Voltage	120 VAC, 60 Hz
Lockout Time	45 seconds
Thermostat Load	24 VAC, 0.2 AMP
Burner Motor (Full Load)	L-60 AMP
Burner Motor (Locked Rotor)	L-60 AMP

5. SETUP AND INSTALLATION

Installation should only be performed by a qualified service technician.

5.1 Pre-Installation Steps

1. Ensure the main power supply to the heating system is disconnected at the circuit breaker or fuse box.
2. Carefully remove the existing primary control, noting all wiring connections. It is recommended to label wires before disconnection.
3. Inspect the mounting location for cleanliness and ensure it is free from moisture or excessive heat.

5.2 Wiring Connections

Refer to Figure 1 for a visual guide to the wiring terminals. All wiring must comply with local electrical codes and the National Electrical Code (NEC). Use copper conductors only.

- **L1 (Line):** Connect the hot (120 VAC) power supply wire.
- **L2 (Neutral):** Connect the neutral power supply wire.
- **Burner Motor and Valve:** Connect the wires leading to the oil burner motor and fuel valve.
- **Limit:** Connect to the high-limit control switch.
- **Ignition:** Connect to the ignition transformer.
- **Thermostat:** Connect to the room thermostat (24 VAC).
- **C554A Flame Sensor:** Connect the flame sensor wires. Ensure the flame sensor is properly positioned to detect the flame.

5.3 Mounting

Mount the control unit securely in the same location as the previous control, ensuring proper orientation and access to wiring terminals and the reset button.

6. OPERATION

6.1 Initial Startup

1. After completing all wiring and mounting, restore power to the heating system.
2. Set the thermostat to call for heat. The control unit will initiate the ignition sequence.
3. Observe the burner for proper ignition and stable flame.

6.2 Reset Procedure

If the burner fails to ignite or goes into lockout, the red reset button on the top of the unit will illuminate. To reset the control:

- Press and hold the red reset button for approximately 3 seconds.
- Release the button. The control will attempt to restart the ignition sequence.
- **WARNING: If the burner does not light after resetting, do not repeatedly press the reset button. This can lead to fuel oil accumulation and a fire hazard. Contact a qualified service technician immediately.**

7. MAINTENANCE

The Intermittent Ignition Oil Primary Control is designed for reliable operation with minimal maintenance. However, regular inspection of the overall heating system by a qualified technician is recommended annually.

- Ensure all wiring connections remain secure and free from corrosion.
- Keep the control unit clean and free from dust or debris.

- Verify the flame sensor is clean and properly positioned for accurate flame detection.

8. TROUBLESHOOTING

This section provides basic troubleshooting steps. For complex issues, always consult a qualified service technician.

Problem	Possible Cause	Solution
Burner does not start, reset button illuminated.	Control is in lockout mode.	Press and hold the red reset button for 3 seconds. If it locks out again, do not repeat. Call a technician.
No power to the control.	Blown fuse, tripped circuit breaker, or wiring issue.	Check circuit breaker/fuse. Verify power supply wiring.
Burner starts but quickly shuts down.	Flame sensor dirty or faulty, no fuel, or ignition issue.	Ensure flame sensor is clean and properly positioned. Check fuel supply. Contact technician.

Note: Many issues require specialized tools and knowledge. Do not attempt repairs beyond your skill level.

9. WARRANTY INFORMATION

For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact the seller directly. Warranty coverage typically applies to defects in materials and workmanship under normal use.

10. CUSTOMER SUPPORT

If you require technical assistance, have questions regarding installation, or need to report a product issue, please contact your point of purchase or the Crypticorps customer support team. Have your product model number and purchase date available when contacting support.

For further information, you may also refer to the official Honeywell documentation for compatible systems, as this control is designed to integrate with such setups.

