

YWFE540H0AS0

Generic Range Dual Surface Element Infinite Switch User Manual (Model YWFE540H0AS0)

Instruction manual for the Generic Range Dual Surface Element Infinite Switch, compatible with various Whirlpool, Maytag, Amana, Ikea, and KitchenAid range models. Includes installation, operation, maintenance, troubleshooting, and specifications.

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Generic Range Dual Surface Element Infinite Switch. This component is designed to control the heat output of dual surface elements on compatible electric ranges. Please read this manual thoroughly before proceeding with any installation or service.

2. SAFETY INFORMATION

WARNING: Before attempting any installation, repair, or maintenance, ensure the appliance is completely disconnected from its power source by unplugging it or turning off the circuit breaker. Failure to do so can result in electric shock, serious injury, or death.

Installation and service should only be performed by qualified and experienced technicians. Always wear appropriate personal protective equipment, such as gloves and eye protection.

3. WHAT'S IN THE BOX

- Dual Surface Element Infinite Switch

4. PRODUCT OVERVIEW

The Dual Surface Element Infinite Switch is a critical component for controlling the temperature of your range's dual surface heating elements. It allows for variable heat settings, from low to high, for precise cooking control. The switch features multiple terminals for connecting to the heating element and the range's electrical system.



Figure 1: Front view of the Dual Surface Element Infinite Switch, showing the control shaft and terminal block.



Figure 2: Top-down perspective of the switch, illustrating the arrangement of electrical terminals.



Figure 3: Angled view of the switch, providing a clearer look at the blue plastic housing and copper contact points.



Figure 4: Rear view of the switch, displaying electrical ratings and manufacturer markings, including "ROBERT SHAW" and terminal labels (H1A, L1, H2, H1B, L2, P).

5. INSTALLATION INSTRUCTIONS

1. **Disconnect Power:** Before beginning, ensure the range is completely disconnected from the electrical supply. Turn off the circuit breaker for the range or unplug the appliance.
2. **Access the Control Panel:** Depending on your range model, you may need to remove the back panel or lift the cooktop to access the control panel where the infinite switches are located. Refer to your specific appliance's service manual for detailed access instructions.
3. **Identify the Faulty Switch:** Locate the infinite switch that needs replacement. Note the position and wiring of the existing switch. It is highly recommended to take a photograph of the wiring configuration before disconnecting any wires.
4. **Disconnect Wiring:** Carefully disconnect all wires from the old switch. Label each wire with its corresponding terminal designation (e.g., L1, L2, H1, H2, P) to ensure correct re-connection.
5. **Remove Old Switch:** Unscrew or unclip the old infinite switch from the control panel.
6. **Install New Switch:** Position the new Dual Surface Element Infinite Switch in the control panel and secure it with screws or clips.

7. **Reconnect Wiring:** Connect the labeled wires to the corresponding terminals on the new switch. Double-check all connections against your photograph or wiring diagram to ensure accuracy. Incorrect wiring can cause damage to the appliance or create a safety hazard.
8. **Reassemble Appliance:** Reattach the control panel, cooktop, or back panel that was removed.
9. **Restore Power:** Restore power to the range by turning on the circuit breaker or plugging the appliance back in.
10. **Test Functionality:** Test the new switch by turning on the corresponding surface element at various heat settings to ensure proper operation.

For specific wiring diagrams and detailed disassembly/reassembly instructions, always consult the service manual for your particular range model.

6. OPERATING INSTRUCTIONS

Once installed, the Dual Surface Element Infinite Switch operates in conjunction with your range's control knob. The switch provides variable power to the heating element, allowing you to select the desired heat level.

- **Turning On:** Rotate the control knob associated with the dual surface element clockwise from the "Off" position.
- **Adjusting Heat:** Continue rotating the knob clockwise to increase the heat intensity (e.g., from low to high). Rotate counter-clockwise to decrease the heat.
- **Dual Element Control:** For dual elements, the switch typically engages the inner element at lower settings and both inner and outer elements at higher settings, or through specific detents on the control knob. Refer to your range's user manual for precise dual element operation.
- **Turning Off:** Rotate the control knob counter-clockwise until it clicks into the "Off" position.

Always ensure the surface element is turned off when not in use to prevent accidental activation and conserve energy.

7. MAINTENANCE

The Dual Surface Element Infinite Switch is a sealed component and does not require routine internal maintenance. However, proper care of your range's control area can help prolong the life of the switch and other components.

- **Keep Clean:** Regularly clean the area around the control knobs to prevent grease and food debris from accumulating and potentially interfering with switch operation.
- **Avoid Liquids:** Prevent liquids from spilling into the control panel area, as this can damage electrical components.
- **Check Connections:** If you experience intermittent issues, ensure that the electrical connections to the switch are secure and free from corrosion. This check should only be performed after disconnecting power to the appliance.

8. TROUBLESHOOTING

If you encounter issues with your range's surface element after installing or while using the infinite switch, consider the following troubleshooting steps:

- **Element Not Heating:**

- Verify the range is receiving power (check circuit breaker).
 - Ensure the control knob is turned to an "On" position.
 - With power disconnected, check the wiring connections to the infinite switch and the heating element for looseness or corrosion.
 - Test the heating element for continuity using a multimeter (if you are qualified to do so). A faulty element will not heat.
 - If the element and wiring are good, the infinite switch itself may be faulty.
- **Element Stuck On High/Low or Not Adjusting:**
 - This symptom often indicates a faulty infinite switch that is no longer able to regulate power correctly. Replacement of the switch is typically required.
 - **No Power to Range/Element:**
 - Check the main circuit breaker for your range.
 - Inspect the power cord and outlet for damage.

If troubleshooting does not resolve the issue, or if you are uncomfortable performing these checks, it is recommended to contact a qualified appliance repair technician.

9. SPECIFICATIONS

Feature	Detail
Product Dimensions	1 x 1 x 1 inches
Item Model Number	YWFE540H0AS0
Operation Mode	Manual
Current Rating	0.01 Nanoamps
Operating Voltage	0.01 Millivolts
Contact Type	Normally Open
Connector Type	Molex Compatible
Brand	Generic
Circuit Type	2-way
Mounting Type	Panel Mount
Contact Material	Copper

Note: The current and voltage ratings (0.01 Nanoamps, 0.01 Millivolts) appear to be placeholder values and may not reflect the actual operational specifications of a typical range infinite switch. Always verify compatibility with your appliance's requirements.

10. COMPATIBILITY

This Dual Surface Element Infinite Switch is compatible with a wide range of models from various brands. Below is a list of some compatible models. Please cross-reference with your appliance's model number to

ensure compatibility.

Whirlpool Models:

- WFE530C0ES0
- WFE324LWB1
- YWFE505W0JZ0
- WFE381LVQ1
- 4KWFE7685EW1
- WFE320M0AB0
- WFE515S0EW1
- WFE524CLAW0
- WFE550S0HB0
- YWFE540H0AS0
- YWFE530C0AS0
- YWFE550S0LB3
- YWFE510S0HS1
- WFE515S0JW0
- WFE525S0HD0
- WFE505W0JV4
- WFE320M0JS4
- WFE515S0JB3
- WFE525S0JT1
- WFE550S0LB3
- WFE515S0ES0
- YGFE461LVQ1
- YWFE550S0LZ3
- WFE505W0HB0
- WFE525S0JZ3
- WFE520C0AS0
- WFE550S0HW0
- YWFE505W0JW0
- WFE535S0JZ1
- WFE524CLAB0
- YWFE550S0HB0
- WFE320M0EB0
- WFE381LVS1
- GFE461LVB1
- WFE320M0EW1
- WFE505W0JS0
- WFE505W0HB1
- WFE525S0JV3
- WFE540H0AW0
- WFE320M0ES2
- WFE535S0JV0

- WFE550S0HV1
- WFE510S0AW0
- YWFE540H0BW1
- YWFE710H0BS1
- YWFE550S0HZ1
- WFE525S0HT1
- YWFE550S0LV0
- YWFE521S0HW4
- WFE505W0HS1
- WFE515S0JS0
- WFE510S0AS0
- WFE505W0HW2
- YWFE710H0BH1
- WFE320M0EB1
- WFE524CLBB0
- YWFE540H0BS1
- YWFE550S0HV1
- YWFE510S0HB0
- YWFE540H0AW0
- WFE371LVS1
- WFE550S0HZ0
- WFE525S0JT0
- WFE525S0JT4
- WFE320M0JB4
- WFE361LVB1
- WFE710H0AH1
- WFE540H0AH1
- WFE505W0JV3
- YWFE515S0JB1
- WFE524CLBW0
- YWFE530C0ES0
- YWFE510S0HS0
- WFE324LWQ1
- WFE505W0HW3
- WFE525S0JS1
- WFE525S0HZ0
- YWFE505W0JZ4
- WFE505W0JV1
- WFE525S0JS0
- WFE505W0JZ1
- WFE540H0AW1
- YWFE505W0JW3
- WFE525S0HW0

- YWFE515S0JS3
- YWFE505W0JZ1
- YWFE550S0LV2
- WFE320M0JW0
- WFE530C0ES0
- WFE324LWB1
- YWFE505W0JZ0
- WFE381LVQ1
- 4KWFE7685EW1
- WFE320M0AB0
- WFE515S0EW1
- WFE524CLAW0
- WFE550S0HB0
- YWFE540H0AS0
- YWFE530C0AS0
- WFE510S0HS1
- WFE550S0HV2
- WFE505W0HW0
- WFE515S0JW3
- WFE515S0ET1
- YWFE710H0BE1
- WFE525S0HV1
- YGFE461LVB1
- WFE525S0HB0
- WFE505W0HB3
- WFE525S0JS4
- WFE550S0LZ2
- WFE320M0JS1
- YWFE550S0LW2
- YWFE550S0LW0
- YWFE510S0HB1
- WFE525S0JV0
- WFE535S0JZ0
- WFE710H0AS0
- YWFE515S0EW0
- YWFE710H0BS0
- YWFE535S0JZ1
- WFE515S0JW1
- WFE515S0JB0
- YWFE550S0LV3
- YWFE521S0HS1
- WFE525S0HS0
- WFE320M0JS0

- WFE320M0EB2
- YWFE550S0LB0
- WFE515S0EW0
- WFE535S0JS1
- YWFE535S0JZ0
- WFE505W0JS4
- WFE530C0EW0
- YWFE515S0ES0
- WFE505W0JZ3
- YWFE710H0AW0
- YWFE505W0JZ4
- YWFE550S0HV0
- YWFE510S0AS0
- WFE525S0JZ0
- WFE515S0ES2
- WFE525S0JS3
- WFE361LVD1
- YWFE515S0JS4
- WFE535S0LZ2
- WFE510S0HS0
- WFE540H0AS0
- 4KWFE7685ES1
- WFE515S0ET2
- WFE525S0JB1
- WFE366LVB1
- WFE525S0HW1
- WFE505W0JV0
- WFE710H0AS1
- WFE371LVQ1
- GFE461LVT1
- WFE371LVB1
- WFE540H0AB1
- WFE530C0EW1
- WFE550S0HW1
- WFE320M0ES0
- YWFE515S0EB0
- YWFE550S0LW3
- YWFE510S0EW0
- YWFE530C0AB0
- WFE550S0HW2
- YWFE510S0ES0
- YWFE521S0HS4
- 4KWFE7685EW0

- WFE361LVT1
- WFE515S0ED0
- YWFE550S0LZ2
- WFE525S0JW0
- YWFE530C0AW0
- WFE515S0JS1
- YWFE550S0LB2
- WFE525S0JB4
- WFE515S0JS3
- YWFE515S0ES1
- WFE550S0LB0
- YWFE515S0JB0
- YWFE530C0ES1
- YWFE710H0AB0
- YWFE510S0HW0
- WFE530C0ES1
- WFE510S0AT0
- WFE505W0HW5
- WFE520C0AB0
- WFE320M0EW2
- WFE550S0HZ2
- WFE550S0LW0
- YWFE515S0JS1
- YWFE550S0HW2
- YWFE515S0JW1
- YWFE515S0JW4
- YWFE540H0BB1
- YWFE550S0HW1
- WFE535S0LS2
- YWFE540H0BW0
- YGFE461LVS1
- YWFE530C0EB1
- WFE320M0ES1
- WFE550S0LV0
- GFE461LVS1
- YWFE515S0EB1
- WFE540H0AE1
- YWFE515S0JW0
- YWFE710H0BW0
- WFE550S0LB2
- YWFE521S0HW0
- WFE320M0JW4
- YWFE530C0EW1

- YWFE515S0JB4
- WFE525C0BB0
- WFE505W0HW1
- WFE505W0HS0
- WFE505W0JZ0
- WFE525S0JZ1
- YWFE550S0HB1
- YWFE550S0HW0
- WFE710H0AH0
- 4KWFE7685ES0
- WFE374LVS1
- WFE510S0HW1
- WFE515S0ES1
- YWFE710H0BB1
- YWFE550S0LZ0
- WFE510S0HB1
- WFE361LVS1
- WFE525S0HT0
- WFE320M0AS0
- YWFE521S0HS0
- WFE525S0JB3
- WFE520C0AW0
- WFE550S0LW3
- WFE525S0JV4
- WFE550S0LV3
- YWFE535S0JV0
- WFE525S0HZ1
- WFE320M0EW0
- YWFE515S0JW3
- YWFE510S0ES1
- WFE374LVQ1
- WFE374LVB1
- WFE530C0EB1
- YWFE521S0HS5
- YWFE515S0JB3
- YWFE521S0HW1
- YWFE510S0AW0
- WFE530C0EB0
- WFE320M0JS3
- WFE550S0LZ3
- YWFE710H0AS0
- YWFE540H0BS0
- WFE525S0JT3

- WFE540H0AE0
- YWFE515S0JS0
- YWFE540H0AB0
- YWFE505W0JW4
- YWFE710H0BH0
- WFE366LVQ1
- WFE510S0AD0
- WFE361LVQ1
- WFE515S0EB0
- WFE505W0HW6
- YWFE521S0HW2
- WFE710H0AE0
- YWFE540H0BB0
- WFE525C0BS0
- WFE524CLBS0
- YWFE710H0BW1
- WFE324LWS1
- WFE540H0AH0
- YWFE510S0AB0
- WFE505W0HB2
- GFE461LVQ1
- WFE515S0EB2
- WFE515S0JB1
- WFE524CLAS0
- WFE525S0JW4
- YWFE505W0JZ3
- WFE505W0HZ0
- YWFE515S0EW1
- YWFE510S0EB0
- WFE540H0AB0
- WFE505W0HZ1
- YWFE505W0JW1
- WFE515S0ET0
- WFE710H0AE1
- WFE505W0HB5
- WFE515S0ED1
- WFE550S0LV2
- WFE320M0JB3
- YWFE530C0EW0
- WFE525S0HB1
- WFE381LVB1
- WFE505W0HB6
- WFE550S0HB1

- WFE525S0HV0
- WFE550S0HV0
- WFE515S0JW4
- WFE505W0JS1
- WFE525C0BW0
- WFE540H0AS1
- WFE515S0EW2
- YWFE521S0HS2
- WFE515S0EB1
- WFE320M0JW1
- YWFE530C0EB0
- YWFE710H0BB0
- WFE510S0HW0
- WFE525S0JZ4
- WFE525S0JW1
- WFE535S0JS0
- WFE525S0JW3
- WFE550S0HZ1
- WFE366LVS1

Maytag Models:

- YMER6600FB1
- MER7662WB3
- MER8674AB0
- YMER7700LZ3
- MER7700LZ0
- MER8680BW0
- YMER8800DH0
- MER7664XB2
- MER8700DS1
- YMER8600DE0
- MER6600FZ1
- YMER6600FW1
- MER8600DH0
- MER6600FB1
- MER8670AB0
- MER6600FW1
- MER7685BS0
- YMER8800DS1
- YMER7685BB0
- MER8800DS1
- YMER8700DS1
- MER7662WS2
- YMER8800DH1

- MER4600LS2
- YMER6600FW5
- MER6600FZ2
- MER8800DE1
- YMER7765WB2
- MER8880AW0
- YMER8880BB0
- YMER8670AS0
- YMER6600FW0
- YMER6600FW2
- MER8700DW0
- MER7775WS2
- MER7700LZ2
- MER7662WS3
- YMER7685BS0
- MER6600FW5
- MER7685BW0
- MER8700DH0
- MER6600FB0
- MER4800PZ0
- YMER6600FZ1
- YMER7765WB3
- MER8700DS0
- MER7664XS1
- MER8700DH1
- 4KMER7685EW0
- MER8670AW0
- MER8700DB0
- YMER8700DS0
- YMER8700DE1
- MER4800PZ1
- YMER8700DW0
- MER6600FB3
- YMER7765WW3
- MER7662WQ2
- YMER7700LZ2
- YMER8880AW0
- YMER8700DH0
- MER8700DE0
- MER8800DH0
- MER8680BS0
- MER7662WB2
- YMER6600FZ2

- YMER8600DH0
- MER6600FZ0
- YMER7662WB2
- MER6600FB6
- MER8600DE0
- MER7775WB2
- YMER8700DB1
- YMER8880BW0
- YMER8670AW0
- YMER8700DW1
- YMER6600FZ0
- YMER7662WS2
- YMER8700DH1
- YMER7765WS3
- MER6600FB2
- YMER8880AB0
- YMER8700DB0
- MER8700DE1
- MER8700DB1
- YMER7765WS2
- MER6600FW0
- YMER7685BW0
- YMER8670AB0
- MER8700DW1
- 4KMER7685ES0
- YMER8700DE0
- YMER6600FZ6
- MER8680BB0
- MER6600FW3
- MER7775WW2
- MER8600DS0
- YMER8800DS0
- MER7662WW3
- MER6600FZ5
- MER7700LZ3
- MER8800DH1
- YMER8880AS0
- YMER6600FW3
- MER6600FZ3
- MER7662WW2
- MER6600FB5
- MER8674AW0
- MER7662WQ3

- MER4600LS3
- MER8674AS0
- MER4600LS0
- YMER8600DS0
- MER7685BB0
- MER6600FW6
- YMER6600FB0
- YMER6600FZ5
- YMER8800DE1
- MER8650ES0
- 4KMER7685EW1
- YMER7662WW2
- MER7664XS2
- MER6600FW2
- MER8880AS0
- MER7664XB1
- MER8700DS2
- 4KMER7685ES1
- YMER7765WW2
- MER8800DS0
- MER7664XW2
- MER6600FZ6
- MER8800DE0
- MER7664XW1
- MER8670AS0
- MER8880AB0

Inglis Models:

- IVE82302
- IVP85802
- IVP85803
- IVE82303

Amana Models:

- YAER6603SFW2
- AER6603SFS3
- AER6603SFB5
- AER5844VCS1
- AER6603SFS0
- AER6603SFW2
- AER6603SFS2
- AER6603SFB6
- YAER6603SFS2
- AER6603SFW5

- YAER6603SFS3
- AER6603SFB0
- YAER6603SFW5
- AER6603SFW6
- YAER6603SMS1
- AER5630BAS0
- YAER6603SFW1
- AER5844VCB1
- YAER6603SFW0
- AER5844VAW1
- AER5630BAW0
- YAER6603SFB0
- AER6603SMS1
- YAER6603SFS5
- AER6603SFB1
- AER5630BAB0
- AER6603SFW1
- AER6603SFB3
- YAER6603SFW6
- AER6603SFS5
- AER6603SFW0
- 4KAER7685EW1
- YAER6603SFS1
- AER5844VCS2
- AER6603SFS1
- YAER6603SFW3
- 4KAER7685EW0
- YAER6603SFS0
- AER6603SFB2
- AER5844VCB2
- AER5844VAS1
- AER6603SFW3
- YAER5630BES0
- AER5844VAB1
- AER5844VCW1
- AER5844VCW2

Ikea Models:

- YIES505DS0
- IES505DS0
- IES426AS1
- YIES505DS1
- YIER660GS0
- IER660GS0

- IES426AS0
- YIES426AS0
- YIES426AS1

KitchenAid Models:

- YKERS202BSS1
- YKERS202BSS0
- YKERS202BWH1
- KERS202BSS0
- KERS202BSS1
- KERS202BWH0
- YKERS202BWH0
- KERS202BBL0

11. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact the seller directly. Specific warranty terms and conditions may vary.

For technical support or further assistance, please contact the retailer or manufacturer from whom this product was purchased.