Whirlpool WHES48 Installation & Operation Manual

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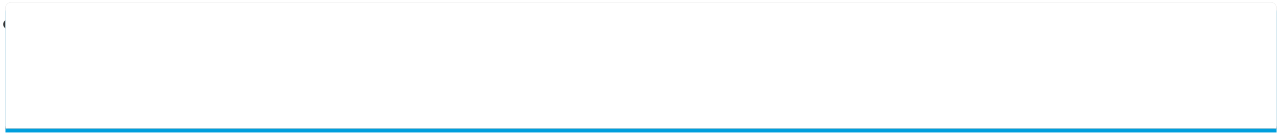

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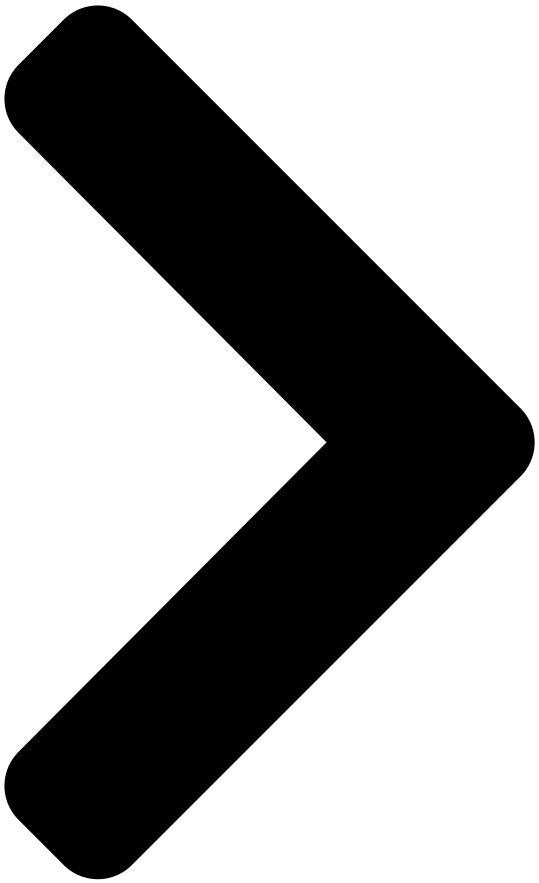
See also: Operation & Installation Manual



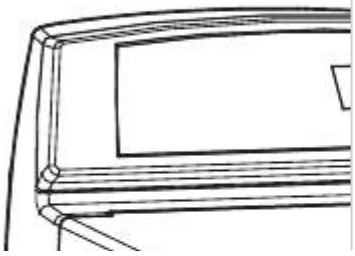
Model WHES48

How to install, operate and maintain your E-Z Touch Demand Controlled Water Softener

Whirlpool® HOME APPLIANCES

Do not return water softener to store

If you have any questions or concerns when installing, operating or maintaining your water softener, call our toll free number:



1-866-986-3223

Monday - Friday, 8 AM - 7 PM EST or visit

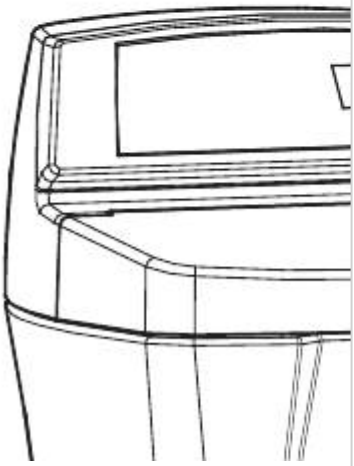
www.ecodynewatertreatment.com

When you call, please be prepared to provide the model, date code and serial number of your product, found on the rating decal, typically located on the rim below the salt lid hinges.

System tested and certified by NSF International against NSF/ANSI Standard 44 for hardness reduction and efficiency.

System tested and certified by the Water Quality Association against CSA B483.1.

Manufactured and warranted by
Ecodyne Water Systems
1890 Woodlane Drive
Woodbury, MN 55125
Printed on recycled paper
7310359 (Rev K 9/9/11)
Product No. W10270201



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Related Manuals for Whirlpool WHES48

Water Dispenser Whirlpool WHES48 Installation And Operation Manual

(29 pages)

Water Dispenser Whirlpool Pro Series Installation And Operation Manual

Demand controlled water softener (28 pages)

Water Dispenser Whirlpool WHES48 Installation And Operation Manual

Demand controlled water softener (24 pages)

Water Dispenser Whirlpool WHES48 Datasheet

Demand control water softener performance data sheet (1 page)

Water System Whirlpool WHER25 Operation Manual

Reverse osmosis drinking water system (28 pages)

Water System Whirlpool WHED20 Installation And Operation Manual

Undersink drinking water system (11 pages)

Water System WHIRLPOOL WHER12 Installation And Operation Manual

Reverse osmosis drinking water system (24 pages)

Water System Whirlpool 4373526 Installation Instructions

Pure delivery water system (5 pages)

Summary of Contents for Whirlpool WHES48

Page 1

Model WHES48 How to install, operate and maintain your E-Z Touch Demand Controlled Water Softener Do not return water softener to store If you have any questions or concerns when installing, operating or maintaining your water softener, call our toll free number:...

Page 2: Table Of Contents

Exploded View & Parts List .....26-29 WATER SOFTENER WARRANTY - MODEL WHES48...

Page 3: Specifications & Dimensions

Specifications & Dimensions Model WHES48 Model Code EZ 48 14,300 @ 2.8 lbs. Rated Softening Capacity (Grains @ Salt Dose) 37,900 @ 10.5 lbs. 48,000 @ 18.1 lbs. Rated Efficiency (Grains/Pound of Salt @ Minimum Salt Dose) 5,107 @ 2.8 lbs.

Page 4: Water Softener Safety

Water Softener Safety Your safety and the safety of others are very important. We have provided many safety messages in this manual and on your appliance. Always read and obey all safety messages. This is the safety alert symbol. This symbol alerts you to potential hazards that can kill or hurt you and others. All safety messages will follow the safety alert symbol and either the word “DANGER”...

Page 5: Inspect Shipment

Inspect Shipment The parts required to assemble and install the water Remove and discard (or recycle) all packing materials. softener are included with the unit. Thoroughly check To avoid loss of small parts, we suggest you keep the the water softener for possible shipping damage and small parts in the parts bag until you are ready to use parts loss.

Page 6: Installation Requirements

Installation Requirements LOCATION REQUIREMENTS PLUMBING CODES Consider all of the following when selecting an installa- All plumbing must be completed in accordance with tion location for the water softener. national, state and local plumbing codes. = Do not locate the water softener where freezing In the state of Massachusetts: The Commonwealth temperatures occur.

Page 7 Installation Requirements Installation Requirements VALVE DRAIN REQUIREMENTS 1/4” NPT Thread Barbs for 3/8” Using the flexible drain hose (included), measure and I.D. Tubing cut to the length needed. Flexible drain hose is not Hose Clamp allowed in all localities (check your plumbing codes). If local codes do not allow use of a flexible drain hose, a Drain Hose rigid valve drain run must be used.

Page 8: Installation Instructions

Installation Instructions TYPICAL INSTALLATION Hard Water Conditioned Ground Ground Water To Outside Clamp Clamp Faucets Pipe Ground Water Softener Clips 1” NPT Sweat Clamp Valve Adaptor (not included) Plug-in Transformer 1” NPT Threaded Adaptor Outlet Clip O-ring Controller Inlet Valve Drain Elbow Overflow Drain Elbow...

Page 9 Installation Instructions TURN OFF WATER SUPPLY Nozzle Top Cover Venturi Brine Tank 1. Close the main water supply valve, located near the Assembly Overflow well pump or water meter. Elbow Nut - 2. Open all faucets to drain all water from house pipes. Ferrule NOTE: Be sure not to drain water from the water Salt...

Page 10: Install Salt Storage Tank Overflow Hose

Installation Instructions COMPLETE INLET AND OUTLET PLUMBING Measure, cut, and loosely assemble pipe and fittings from the main water pipe to the inlet and outlet ports of the water softener valve. Be sure to keep fittings fully together, and pipes squared and straight. Be sure hard water supply pipe goes to the water sof- Electrical Shock Hazard tener valve inlet side.

Page 11 Installation Instructions TEST FOR LEAKS ADD WATER AND SALT TO THE SALT STORAGE TANK To prevent air pressure in the water softener and plumbing system, complete the following steps in order: 1. Fully open two or more softened cold water faucets Excessive Weight Hazard close to the water softener, located downstream Use two or more people to move and lift salt...

Page 12: Water Softener Setup

Water Softener Setup TOUCH SCREEN Touch Screen Controls for programming the water softener are dis- played on a touch screen, located on the softener’s front panel (See Figure 17). On-screen “buttons” appear as rectangular outlines with rounded corners and change with each display (See Figures below). Button presses are acknowledged with a “beep.”...

Page 13: Programming Your E-Z Touch Water Softener

Programming Your E-Z Touch Water Softener SOFTENER STATUS SCREEN SALT LEVEL BUTTON During normal operation, the softener’s display shows For the “Low salt” indicator to work, whenever you a screen like the one in Figure 20, below. The dis- add salt to the softener, you must reset the salt level play automatically returns to this screen from other indicator on the display to match the new level of salt screens after 4 minutes of inactivity.

Page 14 Programming Your E-Z Touch Water Softener SET LANGUAGE SET CONTRAST When the softener’s electronic control is first powered The contrast of the softener’s display screen may be up, the setup procedure prompts you to set the lan- adjusted to optimize its readability. Depending on the guage (See Page 12).

Page 15 Programming Your E-Z Touch Water Softener RECHARGE BUTTON SET RECHARGE TIME The long button at the bottom of the softener status When the softener’s electronic control is first powered screen (See Figure 29) will show recharge status, up, the default time for starting an automatic recharge including whether a recharge is scheduled (See is 2:00 a.m.

Page 16 Programming Your E-Z Touch Water Softener SCHEDULE A RECHARGE SETUP BUTTON To schedule a recharge for the next preprogrammed The SETUP button on the softener status screen is recharge time (2:00 a.m., or as set on Page 15): used to set items of basic

operating information: Set current time 1.

Page 17 Programming Your E-Z Touch Water Softener SET HARDNESS SET IRON LEVEL When the softener's electronic control is first powered The softener's electronic control can adjust cycle up, the setup procedure prompts you to enter your times to compensate for ferrous (clear water) iron in water's hardness (See Page 12).

Page 18: Retrieving Information From The Water Softener Management System

Retrieving Information from the Water Softener Management System INFO (INFORMATION) BUTTON The INFO button on the softener status screen is used to look up the following information about the softener and its operations: Current water flow Average daily water use Water used today FIG.

Page 19: Customizing Features / Options

Customizing Features / Options SET CLEAN FEATURE The Clean Feature with Sediment Guard technology 6. Press the button next to ON to enable this feature is beneficial on water supplies containing ferrous (or OFF to disable it) and then press the RETURN (clear water) iron.

Page 20 Customizing Features / Options SET SALT EFFICIENCY 7. Press the button next to ON to enable this feature When this feature is ON, the water softener will oper- ate at salt efficiencies of 4000 grains of hardness per (or OFF to disable it) and then press the RETURN pound of salt or higher (May recharge more often ( ) button.

Page 21 Customizing Features / Options SET UNITS The softener can be set to display values such as vol- ume and water hardness in either English or Metric units. In addition the clock may be set to display time in either 12-hour (AM/PM) or 24-hour format. VOLUME UNITS TIME FORMAT To select between gallons and liters as volume units:...

Page 22: Customizing Features / Options

Customizing Features / Options POWER OUTAGE MEMORY RESTORE FACTORY SETTINGS If electrical power to the water softener is lost, "mem- This feature resets the softener's electronic controller ory'' built into the electronic control circuitry will keep to its initial startup condition. All settings, such as lan- all settings for up to six hours.

Page 23: Routine Maintenance

Routine Maintenance ADDING SALT CLEANING THE NOZZLE & VENTURI Lift the salt hole cover and check the salt storage level A clean nozzle & venturi (See Figure 80) is a necessity frequently. If the water softener uses all the salt before for the water softener to work properly.

Page 24: Troubleshooting

Water flow screen (See Figure 83). FIG. 86 3. The correct code for Model WHES48 is "EZ 48." This code identifies the softener model. If an incor- FIG. 83 rect model code is displayed, the softener will oper- ate on incorrect configuration data.

Page 25 Troubleshooting MANUAL ADVANCE REGENERATION If water does not enter the tank, look for an obstructed nozzle, venturi, fill flow plug, brine tub- CHECK ing, or brine valve riser pipe. This check verifies proper operation of the valve 4. After observing fill, press the ADVANCE VALVE motor, brine tank fill, brine draw, regeneration flow button to move the softener's valve into the brine rates, and other controller functions.

Page 26: Exploded View & Parts List

Softener Exploded View Softener Exploded View Valve Assembly See Pages 28 - 29 for parts...

Page 27 Softener Parts List Part No. Description Part No. Description 7170296 O-Ring, 2-7/8" x 3-1/4" 7275907 Transformer Repl. Electronic Control Board 7170254 O-Ring, 13/16" x 1-1/16" 7305443 (PWA) 7077870 Top Distributor Top Cover & Faceplate Assembly, 7170270 O-Ring, 2-3/4" x 3" 7305477 (order decal below) 7105047...

Page 28 Valve Exploded View wear-strip seal cross-section view...

Page 29 Valve Parts List Part No. Description Part No. Description 7224087 Screw, #8-32 x 1” (2 req.) 7309811 Wire Harness, Sensor 7286039 Motor (incl. 2 ea. of Key No. 100) 7081201 Retainer, Nozzle & Venturi 7231393 Motor Plate 7195482 Seal, Nozzle & Venturi 0900857 Screw, #6-20 x 3/8”...