Motion Activated
AUTOMATIC SOAP DISPENSER

Model 97212

SET UP AND OPERATING INSTRUCTIONS

Diagrams within this manual may not be drawn proportionally.
Due to continuing improvements, actual product may differ slightly from the product described herein.

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Visit our website at: http://www.harborfreight.com

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

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For technical questions or replacement parts, please call 1-800-444-3353.
SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product’s serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠️ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠️ WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠️ CAUTION

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

CAUTION

CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.
GENERAL SAFETY RULES

WARNING! Read all instructions
Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury. The term “battery powered tool” in all of the warnings listed below refers to your line-operated (corded) battery powered tool or battery-operated (cordless) battery powered tool.

SAVE THESE INSTRUCTIONS

1. Work area safety
   a. Keep work area clean and well lit. *Cluttered or dark areas invite accidents.*
   b. Do not operate battery powered tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. *Battery powered tools may create may sparks which may ignite the dust or fumes.*
   c. Keep children and bystanders away while operating a battery powered tool. *Distractions can cause you to lose control.*

2. Electrical safety
   a. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. *There is an increased risk of electric shock if your body is grounded.*
   b. Do not expose battery powered tools to rain or wet conditions. *Water entering a battery powered tool will increase the risk of electric shock.*

3. Personal safety
   a. Stay alert, watch what you are doing and use common sense when operating a battery powered tool. Do not install or use a battery powered tool while you are tired or under the influence of drugs, alcohol or medication. *A moment of inattention while operating battery powered tools may result in serious personal injury.*
   b. Do not overreach. Keep proper footing and balance at all times. *This enables better control of the battery powered tool in unexpected situations.*

4. Battery powered tool use and care
   a. Do not force the battery powered tool. Use the correct battery powered tool for your application. *The correct battery powered tool will do the job better and safer at the rate for which it was designed.*
   b. Do not use the battery powered tool if the switch does not turn it on and off. *Any battery powered tool that cannot be controlled with the switch is dangerous and must be repaired.*
   c. Disconnect the battery pack from the battery powered tool before making any adjustments, changing accessories, or storing battery powered tools. *Such preventive safety measures reduce the risk of starting the battery powered tool accidentally.*
d. Store idle battery powered tools out of the reach of children and do not allow persons unfamiliar with the battery powered tool or these instructions to operate the battery powered tool. **Battery powered tools are dangerous in the hands of untrained users.**

e. Maintain battery powered tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the battery powered tool’s operation. If damaged, have the battery powered tool repaired before use. **Many accidents are caused by poorly maintained battery powered tools.**

f. Use the battery powered tool in accordance with these instructions and in the manner intended for the particular type of battery powered tool, taking into account the working conditions and the work to be performed. **Use of the battery powered tool for operations different from those intended could result in a hazardous situation.**

5. **Service**

a. Have your battery powered tool serviced by a qualified repair person using only identical replacement parts. **This will ensure that the safety of the battery powered tool is maintained.**

**SPECIFIC SAFETY RULES**

1. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

2. This item is for dispensing small amounts of Liquid Soap, Lotion or similar liquids. Do not use to dispense any other material.

3. Do not dispense from or clean this item with any flammable or corrosive liquid or solvent. Such materials can damage this item, and may cause injury. Only use liquid soap or lotion designed for dispensers.

4. For use indoors only. Exposure to direct sunlight can damage the motion detecting infrared sensors.

5. This product is not a toy. Keep it out of reach of children.

6. This item is not waterproof. Do not install it under a source of running water.

7. Do not mount this item above a mirrored surface or flowing water. Mount the item more than 12” above any surface.

8. Be sure that the wall is sufficiently strong to support the weight of the dispenser and the liquid which will be in it.

9. Before mounting holes are drilled, check to be sure that you will not drill into any wires, pipes or other utility items in the wall.
10. Do not exceed the 20 fl. oz. capacity of this dispenser.

11. Dispose of batteries properly.

12. When installing batteries, be sure polarity of battery matches the polarity markings in the battery compartment.

13. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

⚠️ SAVE THESE INSTRUCTIONS.
SPECIFICATIONS

<table>
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<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Battery Requirements</td>
<td>(4) “AA” Batteries (not included)</td>
</tr>
<tr>
<td>Capacity</td>
<td>20 Fluid Ounces</td>
</tr>
<tr>
<td>Motion Sensing Range</td>
<td>2 - 12 cm (3/4&quot; to 4-3/4&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.75 LBS. empty weight</td>
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UNPACKING

When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

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<td>1</td>
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<tr>
<td>Mounting Hardware</td>
<td>1 set</td>
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SET UP INSTRUCTIONS

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

Mounting

1. Identify a good location for the dispenser. Do not mount this item above a mirrored surface or flowing water. Mount the item more than 12” above any surface.

2. Do not locate the dispenser in sunlight. The item is not waterproof, so do not choose any location where the item will come in direct contact with flowing water.

3. Use the mounting plate as a template to mark the locations for holes to be drilled in the wall. Be sure that the wall is sufficiently strong to support the weight of the dispenser and the liquid which will be in it.

4. Check to be sure that you will not drill into any wires, utility wiring, pipes or other utility items in the wall.

5. Drill two holes 3/16” diameter (5mm) in the wall. If necessary, you may have to use a special tile bit (not included). Insert the plastic expander plugs into the holes in the wall.
6. Attach the Mounting Plate to the wall by passing the provided screws through the holes in mounting plate into the plastic expander plugs in the wall. Tighten securely.

7. Insert (4) “AA” Batteries (not included) into the battery compartment at the back of the dispenser. Do not use different types of batteries, or batteries with different charge levels.

8. Slide the dispenser from top down onto the mounting plate.

9. Lift the top of the dispenser and fill with an appropriate liquid soap.

**Functions**

This item will dispense liquid soap or lotion when it detects motion within 3/4” to 4-3/4” below the dispenser.

1. Move the Power Switch to the ON position. The Power Switch is located on the underside of the dispenser.

2. Move your hands under the dispenser. Liquid will be dispensed. When enough liquid is dispensed, remove your hands from under the item.

3. NOTE: The first time this item is used, it may take a while for the liquid to fill the dispenser mechanism completely. Keep your hands under the dispenser, allowing it to operate continuously, until liquid is dispensed.

4. If the item is not to be used for a long time, move the Power Switch to the OFF position to preserve battery power.
**MAINTENANCE AND SERVICING**

**Cleaning, maintenance, and lubrication**

1. **PERIODICALLY** inspect the general condition of the tool. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation.

2. Before use, observe the fluid level through the clear poly carbonate viewing window. Fill the reservoir if the fluid level is low.

3. **AFTER USE,** clean external surfaces of the tool with clean, moist cloth.

4. To clean the underside, move your hand under the dispenser, less than 1/2” below the bottom surface and turn OFF the power switch. Since your hand is closer than the detector range, the dispenser will not dispense liquid while cleaning.

5. If the unit is unused for a long time, the liquid inside may congeal. Use warm water to clean out the congealed material. **DO NOT USE SOLVENTS OR CORROSIVE MATERIALS TO CLEAN THIS UNIT.**

6. Dirt or granular particles in the liquid may clog the dispenser. Do not use liquids which contain particles in this dispenser. If the dispenser becomes clogged, clean it before further use.

**Troubleshooting**

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes</th>
<th>Probable Solutions</th>
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</table>
| Dispenser will not start | 1. Battery discharged, damaged or missing.  
2. Power Switch in the OFF position. | 1. Check battery for charge or damage.  
2. Move the Power Switch to the ON position. |
| Liquid will not dispense from the appliance. | 1. Dispenser may be empty.  
2. Liquid may be congealed.  
3. Pump may be clogged.  
4. Your hand is closer than 3/4” to the sensor. | 1. Check fluid level through clear viewing panel. Fill if necessary.  
2. Check condition of liquid. Clean or replace liquid as necessary.  
4. Approach at more than 3/4” to the sensor. |
| Dispenser operates erratically | 1. Sensor may be picking up interference from under it.  
2. Batteries may be low.  
3. Liquid may be congealed or dispenser clogged. | 1. Check to eliminate reflections and motion from below the appliance such as may be caused by reflective surfaces or running water. Be sure item is at least 12” above the surface below it.  
2. Check condition of Batteries. Replace if necessary.  
3. Check condition of liquid. Clean and replace if necessary. |
PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

SCHEMATIC DIAGRAM AND PARTS LIST

Record Product’s Serial Number Here:_________________________________________

**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

SKU 97212 For technical questions, please call 1-800-444-3353.