1. Specifications:
- Dimensions: (WxDxH) 119 x 263 x 113 mm
- Soap Tank Capacity: 800 ml (27 fl oz)
- Battery: 6 Alkaline AA (1.5V)
- Detection Range: 14.0 ± 2 cm (adjustable)
- Room Temperature: 5°C~40°C (41°F~104°F)
- Sensing Delay Time: 0.5~1 sec
- Soap Volume Preset: 1.0~1.5 ml (0.03~0.05 fl oz)
- Applicable Liquid Soap Viscosity: 1~3500 mPa.s (cP)

2. Item List:
- Soap Tank Cover
- Key
- Plastic Anchor
- Installation Template
- Soap Dispenser
- Mounting Screw
- Chisel

3. Standard Installation:
- 20 cm (7.9"
- 25.4 cm (10"
- Minimum Clearance

4. Before Installation:
1. Check if surface of wall is smooth and clean.
2. Note the distance between two dispensers or from wall must be ≥ 20cm (7.9"
3. Make sure there are no obstructions below unit.

5. Installation Steps:
1. Measure and mark the location on the wall.
2. Drill four holes ≥16mm (5/64") and insert plastic anchors. (Fig. 1)
3. Insert four screws into anchors, partially screw in. (Fig. 2)
4. Remove the template.
5. Remove soap container and key.
6. Hang soap dispenser on the screws.
7. Tighten the screws. (Fig. 4)
8. Plug soap tank back into housing and close casing. (Fig. 5)
9. Use key to lock casing. (Fig. 6)

6. Operation Instructions:
A. Service Instructions
1. Remove cover from battery box, put the 6 Alkaline AA 1.5V batteries into the battery holder (or connect a 9V cell), put a plastic cover (or connect a 9V cell) back into box casing and close with cover. (Fig. 7)
2. Remove soap container, open it and pour liquid soap into container. Close properly. Should any soap spill over the outside of the tank, clean it thoroughly. Replace clean soap container into original position, close casing and lock it.
3. After 5 seconds, then place your hand over dispenser. The LED will turn on and the dispenser will release a portion of liquid soap.
4. If used the first time, repeat step 4 a few times to fill the system.
5. For refilling liquid soap into the container, always remove the container completely from the housing and fill it. NEVER fill when container is still in the dispenser housing. (Fig. 9)

B. User Instructions
1. Put palm of your hand below the dispenser. The sensor will activate and the motor will pump 1.0~1.5 ml (0.04 to 0.05 fl oz) of liquid soap.
2. If you need more soap, repeat step 1 a few times, waiting at least 1 sec before you touch the dispenser under the unit. Do not scoop soap from the nozzle as this may lead to damage. (Fig. 9)

7. Installation Check:
1. Check if soap dispenser is firmly fixed to the wall.
2. Check if soap container cover is closed properly and no soap is leaking.
3. Use 8 new Alkaline AA (1.5V) batteries or alternatively 6 Alkaline 9V. Ensure batteries are installed properly and in the right direction. (note: + indication). (Fig. 7)
4. Once batteries are installed and casing is closed, a red LED light will flash 4 times to indicate normal function. If casing is re-closed within 40 sec, LED will not flash.
5. Make sure soap dispenser is locked properly with the included key.

8. Soap Volume Adjustment:
No adjustment required. Dispenser is preset to dispense a drop size of between 0.03 to 0.05 fl oz (0.0~1.5 ml).

9. Adjustment of Sensor:
- The sensing distance is factory set.
- If adjustment is necessary, proceed as follows:
  1. Turn clockwise to increase the sensing distance and counter-clockwise to reduce it.
  2. Do not apply excessive force.

10. Important Notice:
1. Ensure no bright light source is aimed at or reflected from the sensor below.
2. Use fresh new liquid soap only and clean the soap container properly before each re-fill. Deposits of old soap will lead to malfunction and jamming.
3. Do not dilute liquid soap unless concentrate and do not use soap containing abrasive. Observe indicated viscosity factor of liquid soap.
4. Do not immerse the soap dispenser in water or clean it under running water. This will lead to short-circuit.
5. Should the dispenser be out of order and batteries have been replaced, do not attempt any repair work. Call your dealer for professional assistance.

11. Troubleshooting:

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED does not indicate</td>
<td>Check batteries and ensure they are new and properly inserted. Replace sensor cover for stain. Use soap properly.</td>
</tr>
<tr>
<td>LED flashes when unit is not used</td>
<td>Low voltage: recharge batteries. (Fig. 7) Sensor is activated.</td>
</tr>
<tr>
<td>No soap dispenses when motor works</td>
<td>Clogged or obstructed soap nozzle. Clean soap container and replace it. Check if soap is liquid enough or tank is empty. (viscosity as per specification)</td>
</tr>
<tr>
<td>Insufficient soap is released</td>
<td>Soaps provide: use for several times or remove soap container and wash it thoroughly and refill with new soap. Soap nozzle is obstructed: wash soap container and use continuously until normal quantity is dispensed.</td>
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For all other inquiries call your dealer for technical assistance.