




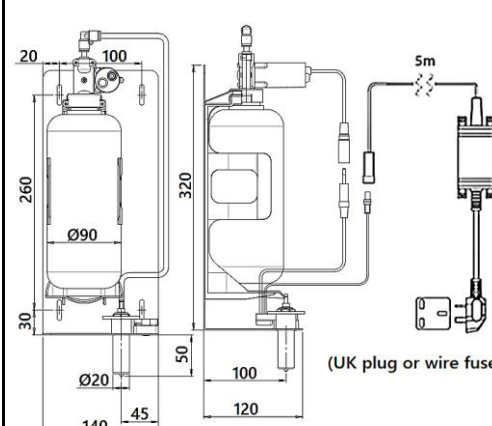
## Acme Sanitary Ware Co Ltd

Acme Building, 22-28 Nanking Street, Kowloon, Hong Kong  
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|          |  |      |  |     |           |  |
|----------|--|------|--|-----|-----------|--|
| PROJECT  |  | REF  |  | REV | ITEM CODE |  |
| LOCATION |  | DATE |  |     | PAGE      |  |

## SANITARY WARE SPECIFICATION SHEET

| Item Descriptions   | Stern (Israel) "Behind Mirror SD" Touch free electronic liquid soap dispenser for for hidden installation behind the mirror in AC Supply with 5m wire AC 110-240 Vac 50/60Hz to 12V 2.5A <b>IP68 waterproof switching transformer</b> | <div>Illustration/ Drawing</div> <div></div>   |                     |              |              |                                    |              |   |        |  |             |  |        |  |
|---|---|--|---------------------|--------------|--------------|------------------------------------|--------------|---|--------|--|-------------|--|--------|--|
| Model   | Behind Mirror SD E  |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| Code Number   | 280200  |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| Finish  | Chrome Plated   |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| Supplier  | Acme Sanitary Ware Co. Ltd<br>Mr. Eric Wong/ Mr. Don Yuen   |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| Contact Tel/Fax   | (852) 2388-7171 / (852) 2710-8012   |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| E-mail  | acme@acmesanitary.com.hk  | <div></div> <div><b>Installation:</b><br/>Wall mounted concealed</div> <div><b>Power source:</b><br/>12 V transformer</div> <div><b>Default soap dosage:</b><br/>1.4 cc</div> <div><b>Soap viscosity:</b><br/>100-3800 cPs</div> |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| Website   | www.acmesanitary.com.hk   |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| <b>BEHIND MIRROR SOAP DISPENSER E Ref # 280200</b><br>Touch free electronic soap dispenser for for hidden installation behind the mirror. Activated by infrared sensor. Chrome plated body, other finishes available. Includes a 1 liter soap bottle and bottle support. Optional for remote installation: extension cable and longer piping. The following functions can be performed by using Stern remote control: soap quantity selection, refill the soap tank, temporary off, coming back to factory settings.  |   |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| <b>Application:</b><br>Closing automatically without dripping, Stern's touch free soap dispenser helps to ensure that the bathroom will stay organized and neat.  |   |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| <b>Use:</b><br>Touch free electronic soap dispenser. The soap dispenser is activated automatically when the users bring their hands within the sensor range and stops when the users remove their hands.  |   |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| <table><tr><th colspan="2">PRODUCT AT A GLANCE</th></tr><tr><td>Installation</td><td>Hidden behind the mirror</td></tr><tr><td>Power Supply</td><td><ul style="list-style-type: none"><li>• Battery Box for 6D batteries.</li><li>• 12V Transformer</li></ul></td></tr><tr><td>Soap</td><td>1 Liter soap bottle. This soap dispenser includes a peristaltic pump that allows the use of any kind of liquid soap, detergent or antibacterial gel.</td></tr><tr><td>Soap dosage</td><td>Factory setting of 1.2 to 1.6 cc depending on the selected soap. The soap quantity can be changed using the soap dispenser remote control.</td></tr><tr><td>Refill</td><td>Easy to use manual refill button used for soap priming. This function can also be performed with the remote control.</td></tr></table> |   |  | PRODUCT AT A GLANCE |              | Installation | Hidden behind the mirror           | Power Supply | <ul style="list-style-type: none"><li>• Battery Box for 6D batteries.</li><li>• 12V Transformer</li></ul> | Soap   | 1 Liter soap bottle. This soap dispenser includes a peristaltic pump that allows the use of any kind of liquid soap, detergent or antibacterial gel. | Soap dosage | Factory setting of 1.2 to 1.6 cc depending on the selected soap. The soap quantity can be changed using the soap dispenser remote control. | Refill | Easy to use manual refill button used for soap priming. This function can also be performed with the remote control. |
| PRODUCT AT A GLANCE   |   |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
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| <table><tr><th colspan="2">ORDERING INFORMATION</th></tr><tr><th>PRODUCT NAME</th><th>PART NUMBER</th></tr><tr><td>Behind the Mirror Soap Dispenser B</td><td>280210</td></tr><tr><td>Behind the Mirror Soap Dispenser E</td><td>280200</td></tr></table>   |   | ORDERING INFORMATION   |                     | PRODUCT NAME | PART NUMBER  | Behind the Mirror Soap Dispenser B | 280210       | Behind the Mirror Soap Dispenser E  | 280200 |  |             |  |        |  |
| ORDERING INFORMATION  |   |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| PRODUCT NAME  | PART NUMBER   |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| Behind the Mirror Soap Dispenser B  | 280210  |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |
| Behind the Mirror Soap Dispenser E  | 280200  |  |                     |              |              |                                    |              |   |        |  |             |  |        |  |

**Installation:**

Wall mounted concealed

**Power source:**

12 V transformer

**Default soap dosage:**

1.4 cc

**Soap viscosity:**

100-3800 cPs



\* All information of the above is for the reference only. No prior notice is made if any changes.



## Acme Sanitary Ware Co Ltd

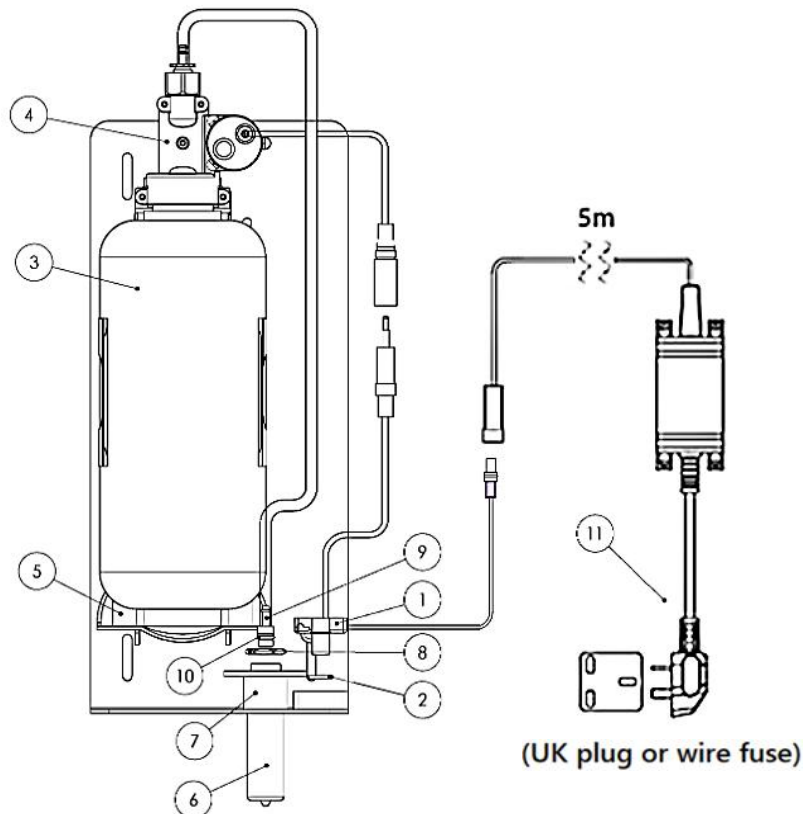
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# STERN

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## SPARE PARTS LIST

Behind mirror SD E  
(280200)



| Quantity | Part Number | Description                     | Cat. No.        |
|----------|-------------|---------------------------------|-----------------|
|          | -           | <b>Soap Dispenser Spout Kit</b> | <b>07271023</b> |
| 1        | 6           | Spout                           |                 |
| 1        | 7           | Support                         |                 |
| 1        | 8           | Nut                             |                 |
| 1        | 9           | Nipple                          |                 |
| 1        | 10          | O-ring                          |                 |
|          | -           | <b>Sensor Kit</b>               | <b>07220230</b> |
| 1        | 1           | Electronic Unit                 |                 |
| 1        | 2           | O-ring                          |                 |
|          | <b>3</b>    | <b>Soap Tank 1L</b>             | <b>07100020</b> |
|          | <b>4</b>    | <b>Pump Soap Dispenser</b>      | <b>07222001</b> |
|          | <b>5</b>    | <b>Bottle 1L support</b>        | <b>07120175</b> |
|          | <b>11</b>   | <b>Transformer</b>              | <b>TBC</b>      |

**Note:** In order to locate the relevant spare part, please check the corresponding parts and part number in the drawing. Minimum order quantity will be required.

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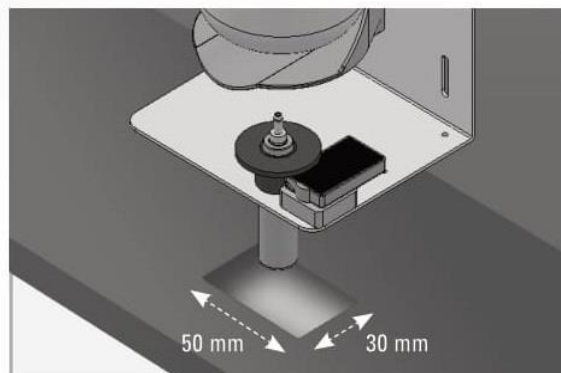


## INSTALLATION

### STEP 1 – PREPARATION FOR INSTALLATION

Cut a hole in the bottom of the mirror compartment for the soap dispenser sensor and spout both.

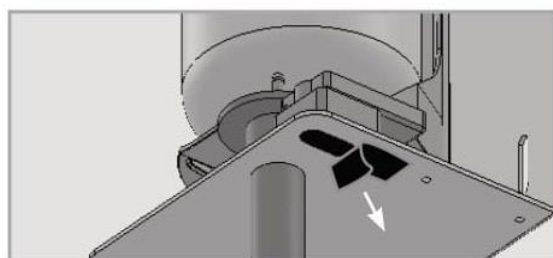
The recommended hole size should be 30x50 mm.



### STEP 2 – INSTALLING THE SOAP DISPENSER

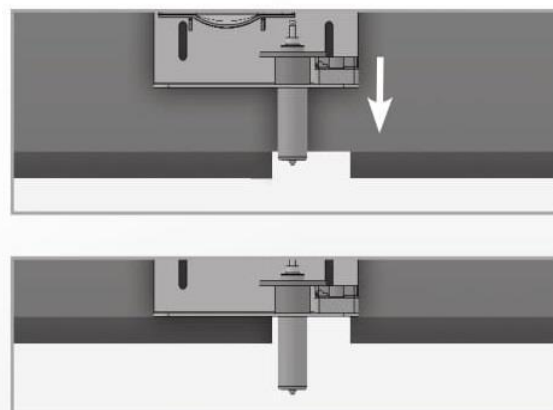
1

Remove the protective sticker covering the sensor.



2

Place the soap dispenser assembly inside the mirror compartment with the spout sticking out of the hole.

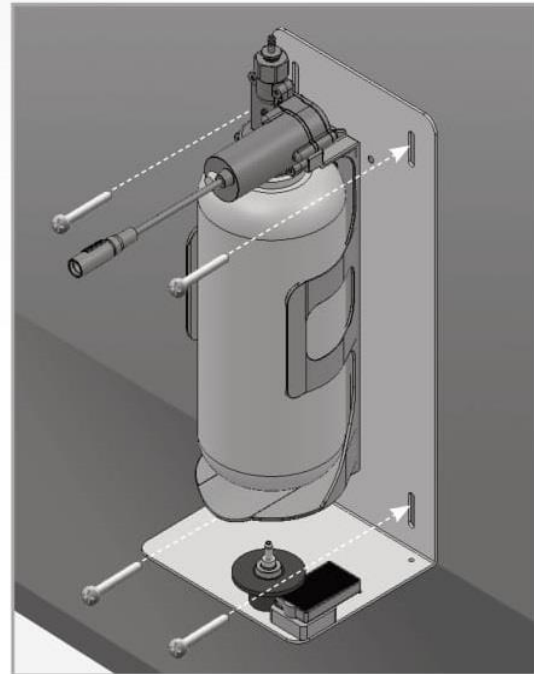




## INSTALLATION

3

Secure the plate to the wall with 4 screws (not supplied).



### STEP 3 - CONNECTING THE POWER SOURCE

1

Make sure that the 4 contacts connector is connected properly so that the white o-ring is not visible.

**Pay attention:** If the 4 contacts connectors will not be connected properly, the motor will work continuously.



O-ring visible – not connected properly



Connected properly  
so that only the grooves are visible

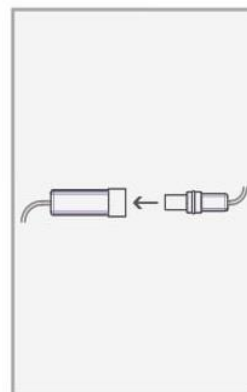
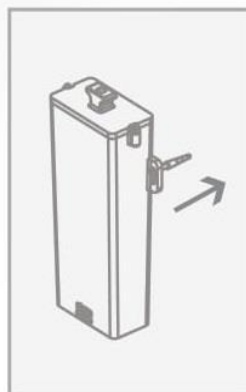


## INSTALLATION

3

***For battery versions:***

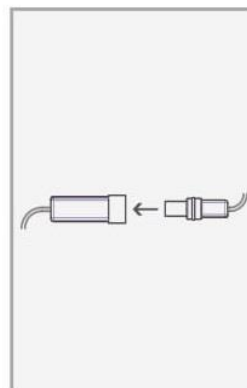
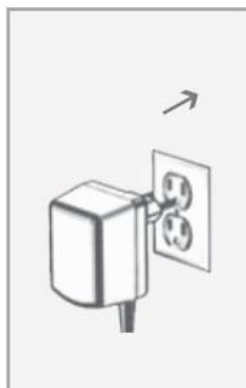
Install the battery box at the wall in the mirror compartment and connect the battery connector.



3

***For transformer versions:***

Plug the transformer into the electricity socket and make sure the transformer connector is connected.



Wait about 10 seconds before you put your hands within the sensor range.



10  
seconds







## TROUBLE SHOOTING

| PROBLEM   | INDICATOR   | CAUSE  | SOLUTION  |
|---|---|--|---|
| <b>No soap coming out of the spout</b>              | Red light in the sensor flashes continuously when the user's hands are within the sensor's range. | Low battery.   | Replace battery.  |
|   |   | Soap has run low or completely out.  | Refer to page 7 and refill the soap tank.   |
|   | Red light in the sensor flashes (once) and the motor is operating.                                | The soap tank has been filled but soap has not reached the spout.  | Press the refill button located at the bottom of the pump until soap starts to come out of the spout again. |
|   |   | The connectors between the motor and the power source are not connected properly.                                      | Connect the connectors properly so that the white o-ring is not visible. Refer to page 5 to see how.        |
|   |   | Sensor is picking up reflections from the washbasin or another object.   | Eliminate cause of reflection.  |
|   | Red light in the sensor does not flash (once) when user's hands are within the sensor's range.    | Connectors between the electronic unit and the pump assembly \ transformer are disconnected or not properly connected. | Connect the electronic unit connectors to the pump assembly and transformer.                                |
|   |   | Battery is completely used up.   | The battery must be replaced.   |
| <b>Soap coming out from the spout does not stop</b> | Red light flashes (once) and the motor operates.  | Soap solidification at the pipe.   | Fill the bottle with hot water at 50/60C and run the pump constantly.                                       |
|   |   | The black connectors between the pump assembly and soap dispenser are not connected properly.                          | Connect the connectors properly so that the white o-ring is not visible. Refer to page 5 to see how.        |