Since 1949
Acme Sanitary Ware Co. Ltd.
1/F, Acme Building, 22-28 Nanking Street, Kowloon, Hong Kong
Tel: 2388 7171 Fax: 2710 8012
Email: acme@acmesanitary.com.hk
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stern

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LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

Item Descriptions	Stern (Israel) "APOLLO AL" Chrome plated wall mounted sensor faucet in 9V DC Supply with **IP67 waterproof battery box**
Dimensions	140 mm Long
Model	APOLLO ALB
Code Number	340600
Finish	Chrome Plated
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Wilson Hung
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012
E-mail	acme@acmesanitary.com.hk
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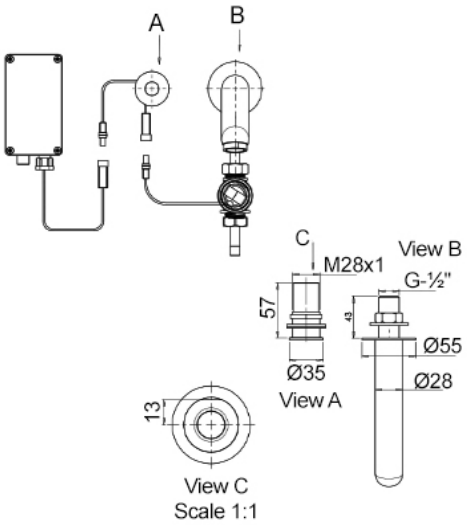
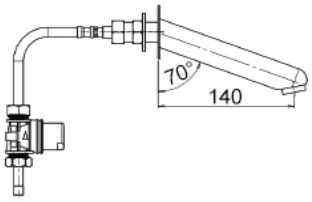
Illustration/ Drawing





APOLLO AL B
Ref # 340600
Touch-free wall-mounted electronic faucet with an anti ligature design. Offered with a proximity infrared sensor or a wave on-off infrared sensor. For cold or premixed water. Chrome plated body, other finishes available. Includes a low battery indicator. Adjustable settings by remote control: sensor range, security time, delay in, delay out, on-off and reset to factory settings.

Application:
Wall-mounted faucet. Combines an anti ligature design with vandal resistant features. Helps washrooms stay clean and saves water. Easy installation. Long lasting even in the harshest installation sites. Ideal for healthcare centers, hospitals ands clinics.

Use:
With Proximity sensor: The faucet is automatically activated when users place their hands in the sensor range and will stops once the users remove their hands.
With Wave on-off sensor: The faucet is activated for an 8-second flow when users place thier hands in close proximity to the sensor. The faucets shuts off when the flow time is over or if users place thier hands in front of the sensor for a second time.

Apollo ALB	340600
Apollo ALE	340700

Power supply for battery versions:	6 X 1.5 V AA batteries
Power supply for electricity versions:	9V transformer
Recommended water pressure	0.5-8.0 bar (7-116 PSI). With water pressure of more than 8 bars, use a pressure reducing valve for reduction
Hot water temperature:	Max. 70º C

Installation:
Wall mounted duct concealed

Water supply:
Cold or premixed water (1 inlet)

Water temperature:
Max. 70 °C

Operating pressure:
0.5 – 8.0 bar

Power source:
IP67 battery box

LEED RATING

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

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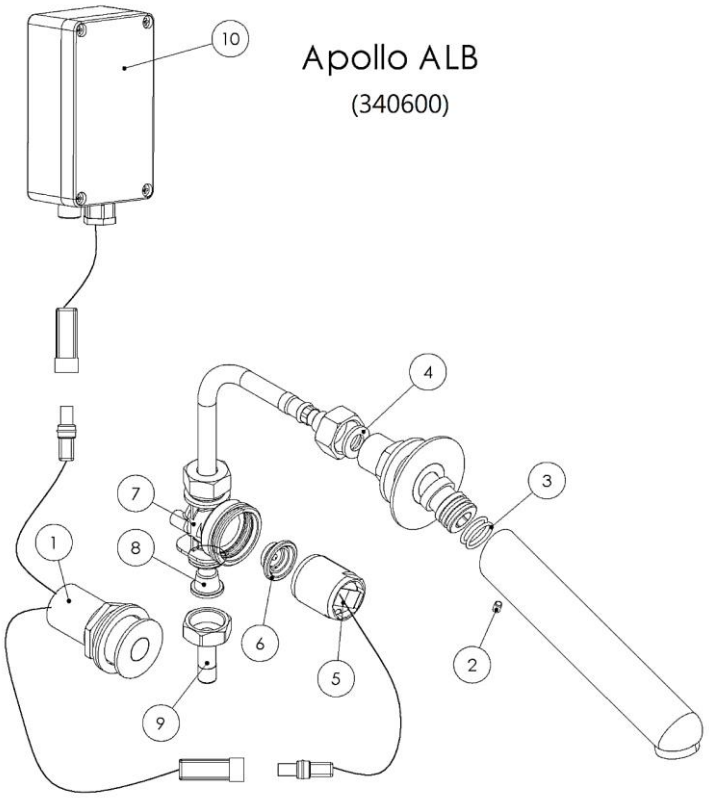
SPARE PARTS LIST



Quantity	Part Number	Description	Cat. No.
	-	**Seals and Screws Kit**	**07210077**
2	3	O-ring	
1	4	Gasket	
1	2	Screw	
	1	**Wave Sensor Kit**	**07225022**
	-	**Solenoid Housing Kit/ Solenoid Housing Kit for USA**	**07231008/ 07231009**
1	7	Solenoid valve's body	
1	8	Filter	
1	9	Nipple	
	-	**Solenoid Valve Kit**	**07230017**
1	5	Solenoid valve	
1	6	Diaphragm	
	6	**Diaphragm**	**04500001**
	10	**IP 67 Battery box**	**06530020**

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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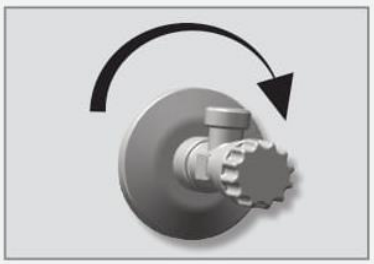
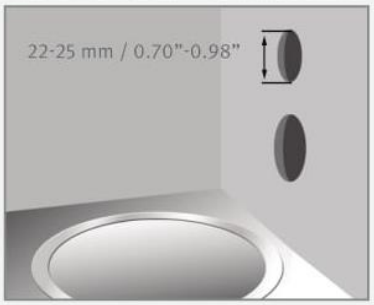
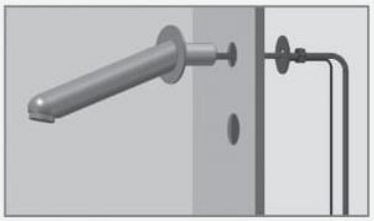
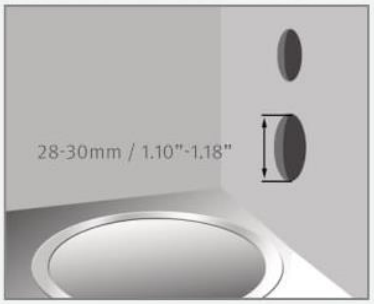
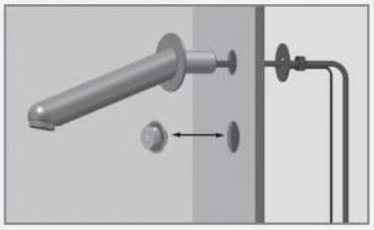
INSTALLATION

STEP 1 – INSTALLING THE FAUCET

1	Shut off the water supply.	
2	Drill a hole (22 to 25 mm) in the location you wish to install the faucet.	
3	Insert the spout through the wall and fix the base behind the wall with the hexagonal nut and the disk.	
4	Drill a hole (28 to 30 mm) in the location you wish to install the sensor unit.	
5	Insert the electronic unit through the wall or other surface where you want to place it and fix the base behind the wall with the hexagonal nut and the disk.	

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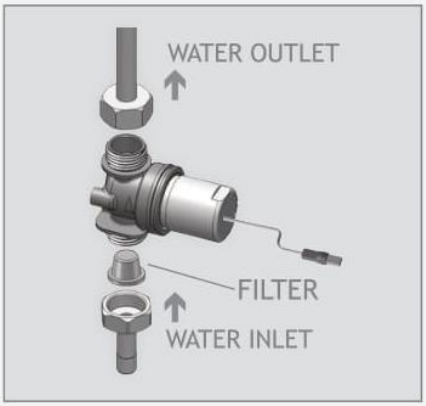
INSTALLATION

STEP 2 – CONNECTING THE WATER SUPPLY

Fit the pipe from the spout base to the solenoid valve housing

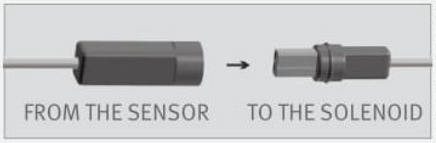
Fit the water supply inlet to the filter adapter at the solenoid housing.

Note: Make sure the filter is located between the solenoid housing and the water inlet.

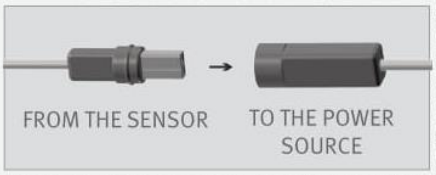


STEP 3 – CONNECTING THE POWER SOURCE

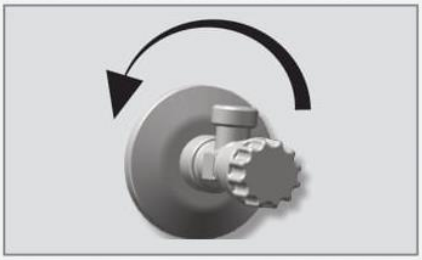
1. Connect the cable coming from the sensor unit to the solenoid valve connector.



2. Connect the other cable coming from the sensor unit to the power source connector (battery box or transformer).



3. Turn on the central water supply. Check for leaks.



4. If the automatically adjusted sensor range is not satisfactory for your purposes, please refer to the section entitled “Settings adjustment”.

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TROUBLESHOOTING

PROBLEM	INDICATOR	CAUSE	SOLUTION
No water coming out of the faucet:	1. Sensor flashes continuously when user's hands are within the sensor's range.	Low battery.	Replace battery
	2. LED in the sensor does not flash once when user's hands are within the sensor's range.	1. Range is too short.	Increase the range
		2. Range is too long.	Decrease the range
		3. Battery is completely used up	The battery must be replaced.
		4. Unit is in "Security Mode"*	
		5. Sensor is picking up reflections from the washbasin or another object.	Eliminate cause of reflection.
	3. LED in the sensor flashes once when user's hands are within the sensor's range.	1. Connectors between the electronic unit and solenoid are disconnected.	Connect the electronic unit connectors to the solenoid.
		2. Debris or scale in solenoid.	Unscrew solenoid, pull out the plunger and the spring from the solenoid and clean them. Use scale remover material if needed. When replacing the plunger, please make sure that the spring is in vertical position.
		3. The central orifice in the diaphragm is plugged or the diaphragm is torn	Clean the orifice or replace diaphragm.
		4. The water supply pressure is higher than 8 bar.	Reduce the supply water pressure.
		5. The water supply pressure is under 8 bars and yet the pressure in the faucet's body is higher. This situation could be caused by a sudden increase in the water supply pressure that the back check prevents from dropping, even after water supply pressure drops under 8 bars.	Shut off water supply and unscrew one of the flexible pipes in order to reduce the pressure that blocks the product.
Water flow from spout does not stop:	1. Sensor flashes once when user's hands are within the sensor's range.	Debris or scale in diaphragm	Clean the orifice or replace diaphragm.
	2. LED in the sensor does not flash once when user's hands are within the sensor's range.	1. Sensor is dirty or covered.**	Clean or eliminate case of interference.
		2. Sensor is picking up reflections from the washbasin or another object.	Decrease the range or eliminate cause of reflection.
Water flow diminished		Filter or aerator is clogged	Remove, clean, re-install

* "Security Mode": If the sensor is covered for more than 90 sec. the faucet will automatically shut off water flow. To return to normal operation remove any blockage.

** In this case, the water flow will stop anyway after 90 seconds because of the security time.