



PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

Item Descriptions	Stern (Israel) "Extreme" Chrome plated deck mounted lead free version sensor faucet in 9V DC Supply with IP67 waterproof battery box	Illustration/ Drawing
Dimensions	L103 x W50 x H169 mm	
Model	Extreme LFB	
Code Number	237820	
Finish	Chrome Plated	
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Wilson Hung	
Contact Tel/Fax E-mail Website	(852) 2388-7171 / (852) 2710-8012 acme@acmesanitary.com.hk www.acmesanitary.com.hk	

EXTREME LF B Ref # 237820

Touch-free electronic faucet for deck-mounted installations. Lead free version with concealed sensor at spout. Activated by concealed sensor built into the spout. Chrome plated body, other finishes available. For cold or premixed water. Filter included. Sensor 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:

Deck-mounted faucet. Combining an elegant minimalist design with anti-vandal features. Easy installation. Long lasting even in the harshest installation sites. Helps washrooms stay clean and saves water. Prevents cross contamination. Ideal for offices, hotels and restaurants.

Use:

Touch-free electronic faucet. The faucet is automatically activated when users place their hands in the sensor range and stops when the users remove their hands.

PRODUCT AT A GLANCE

Installation	Lavatory mounted	
Power Supply	• 9V external battery box • 9V transformer	
Operating pressure	0.5-8.0 bar / 7.0-116.0 PSI	
Water supply	Cold and premixed water	
Water flow	6 LPM / 1.58 GPM - SSR PCA stream	
Water Saving Options	4 LPM / 1 GPM ; 3 LPM / 0.8 GPM 1.89 LPM / 0.5 GPM ; 1.3 LPM 0.35 GPM - PCA spray	
Water temperature	70°C Maximum	
Security Time	90 seconds. Adjustable by remote control	

ORDERING INFORMATION			OPTIONS	
MODEL	CODE	POWER	OPTION	CODE
EXTREME LFB	237820	9V battery	Remote control	07100005
			Matching battery-powered soap dispenser	235920
EXTREME LFE	237810	9V transformer	Matching transformer-powered soap dispenser combination	235900

- Installation:**
Lavatory mounted
- Water supply:**
Cold or premixed water (1 inlet)
- Water temperature:**
Max 70 °C
- Operating pressure:**
0.5 - 8.0 bar
- Power source:**
IP67 Dual power input box with a 9V battery
- Stern Soap & Water:**
Extreme matching soap dispenser



* 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

Ectreme LFB
(237820)

SPARE PARTS LIST

Seals & Screws Kit	07210182
10-Pack Sensor Kit	07220412
Cover Kit	07270004
10-Pack Solenoid Valve Kit	07232005
Dual Power Input Box (excluding solenoid and battery)	06530042
Soap & Water Remote Control (Optional)	07100014
Remote Control 13B (Optional)	07100005

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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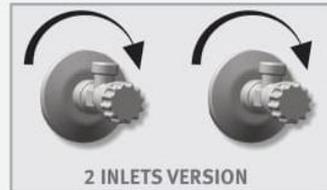


INSTALLATION

STEP 1 – PREPARATION FOR MOUNTING THE FAUCET

1

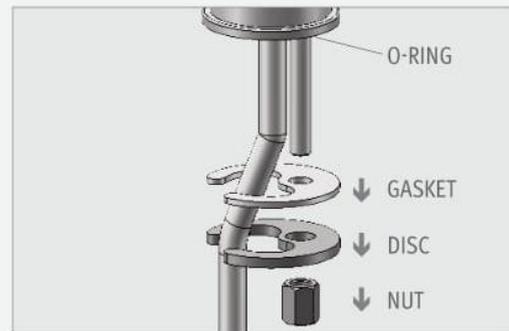
Shut off the water supply.



2 INLETS VERSION

2

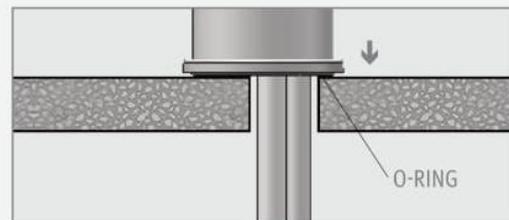
Remove the hexagonal nut, the disk and the gasket. Do not remove the O-ring from the base of the faucet.



STEP 2 – INSTALLING THE FAUCET

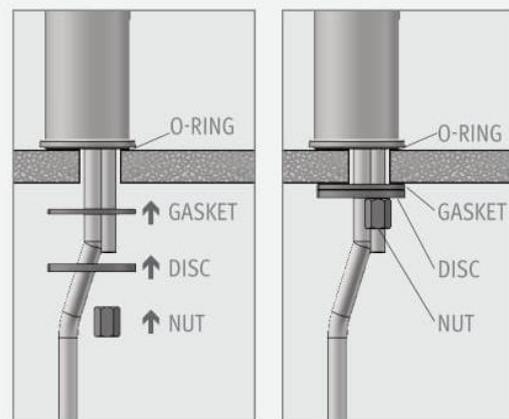
1

Place the faucet with O-ring into the hole in deck or lavatory. Make sure the O-ring is located between the deck or lavatory and the bottom of the faucet.



2

Slide the gasket, disk and hexagonal nut over the flexible hose and secure the faucet into place.





INSTALLATION

STEP 3 – CONNECTING THE WATER SUPPLY

1

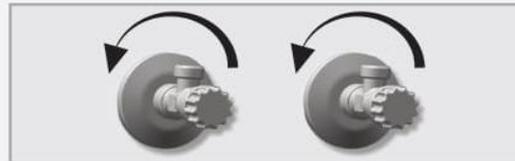
Connect the red flexible pipe to the hot water supply and the blue flexible pipe to the cold water supply.



MAKE SURE THAT THE FILTERS ARE INSTALLED BETWEEN THE FLEXIBLE PIPE AND THE SHUT OFF VALVE/ANGLE VALVE (NOT SUPPLIED).

2

Turn on the central water supply and the shut-off valves (angle valves). Check for leaks.



STEP 4 – CONNECTING THE POWER SOURCE

BATTERY VERSION

Install the batteries in the battery box and attach the box to the wall underneath the sink.

The cable connection must point down. (You can use an optional extension cable in order to assemble the battery box up to 3 meters away from the sink.)



TRANSFORMER VERSION

Plug the transformer into the electricity socket and connect the connectors.





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"*	
	3. LED in the sensor flashes once when user's hands are within the sensor's range.	5. Sensor is picking up reflections from the washbasin or another object.	Eliminate cause of reflection.
1. Connectors between the electronic unit and solenoid are disconnected.		Connect the electronic unit connectors to the solenoid. Solenoid is located inside the body.	
2. The water supply pressure is higher than 8 bar.		Reduce the supply water pressure.	
Water flow from spout does not stop:	3. 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.	
	1. Sensor flashes once when user's hands are within the sensor's range.	Debris or scale in solenoid	Clean or replace the solenoid.
Water flow diminished	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.
		Filter or aerator is clogged or the solenoid is dirty.	Remove, clean, re-install

* "Security Mode": If the sensor is covered for more than 90 sec. the faucet will automatically shut off water flow. In order 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.