Acme Sanitary Ware Co Ltd
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stern

PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

Item Descriptions	Stern (Israel) "Extreme SD Plus" Chrome plated extended body liquid soap dispenser with built-in sensor in DC Supply with 6D battery box	Illustration/ Drawing
Dimensions	L70 x W38 x H304 mm	
Model	Extreme Soap Dispenser Plus B	
Code Number	237922	
Finish	Chrome Plated	
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen	
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012	
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EXTREME SOAP DISPENSER PLUS B Ref # 237922

Touch free electronic soap dispenser for deck mounted installations. Tall version for countertop washbasins. Activated by infrared sensor. Chrome plated body, other finishes available. Features a low battery indicator. 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.
* Version for multifeed installation available.

Application:
Closing automatically without dripping, Stern´s touch free soap dispenser helps to ensure that the bathroom will stay organized and neat. Combined with Extreme touch free electronic faucet, it creates a germ-free and automated environment.

Use:
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.

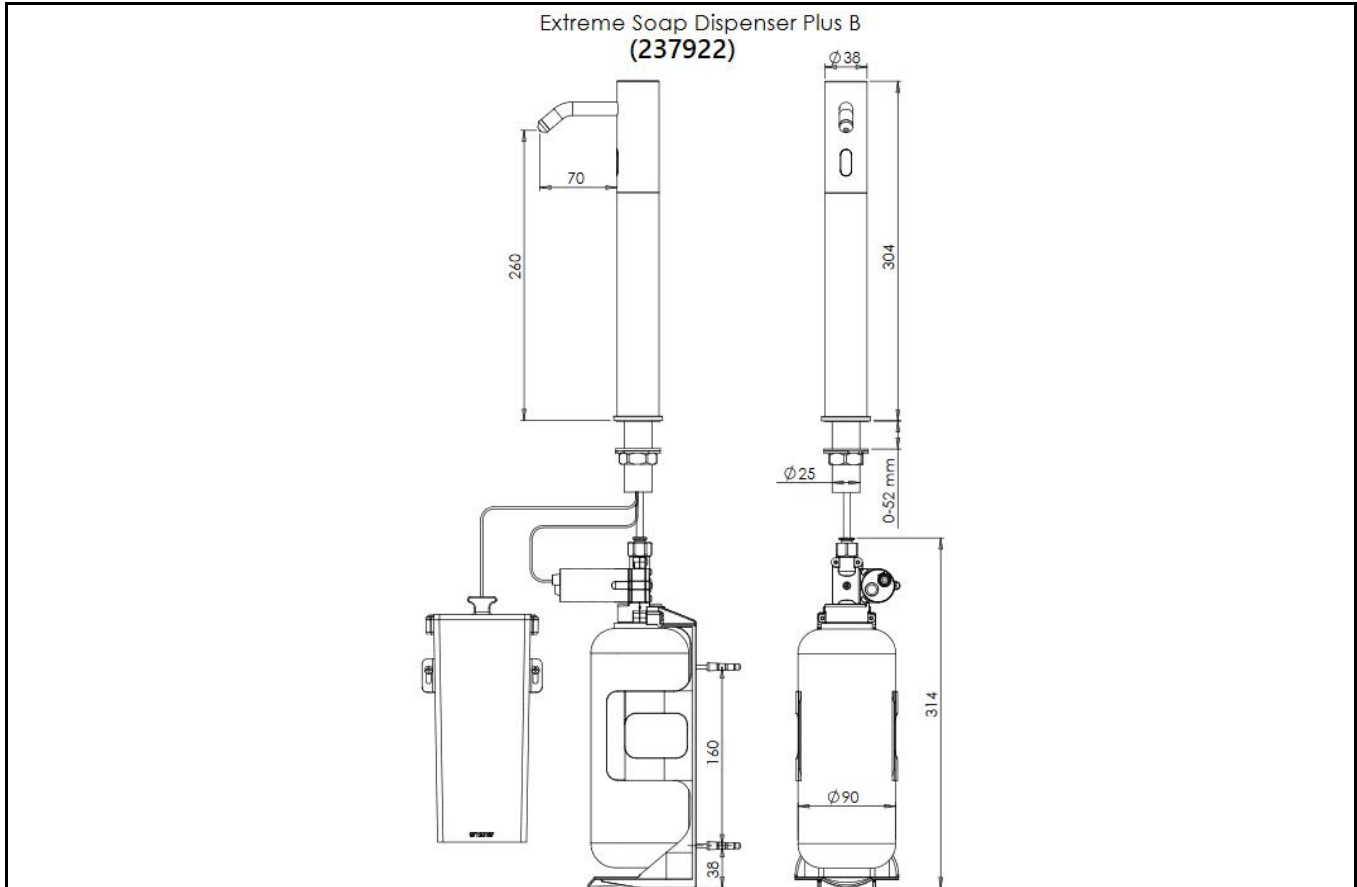| PRODUCT SPECIFICATION	
Power supply	6D Alkaline battery*, plug-in transformer, output : 12 VDC 0.5A, or hardwired (1A/2.5A)
Soap:	non-proprietary, viscosity up to 3800 cP for liquid soap
Tank capacity:	33.8 oz (1L) bottle or 203 oz (6L) Tank/Bracket
Soap adjustability:	from 0.02 oz (0.7 ml) to 0.08 oz (2.3 ml)
Accessory	07100008 remote control for soap dispenser
Detection range:	+/- 4"
Dispenser hole diameter	1" ~ 1-1/8" (25~29 mm)
Spare parts recommended:	
07220279	10-pack sensor kit
07222013	soap dispenser pump (liquid soap version)
06522080	12 V transformer
*batteries are not supplied	

Installation:
Lavatory mounted

Power source:
Battery box for 6xD batteries

Stern Soap & Water:
Extreme matching faucet

Default soap dosage:
1.4 cc

Soap viscosity:
100-3800 cPs

MF Multifeed Version:
Ref # 07292095

* 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

Extreme Soap Dispenser Plus B
(237922)

SPARE PARTS LIST

SEALS & SCREWS KIT SMART/EXTREME/TRENDY/ELITE SD	07210088
10-PACK SENSOR KIT SMART/EXTREME/TRENDY/ELITE SD	07220279
SOAP DISPENSER PUMP ASSEMBLY	07222028
6-PACK SOAP BOTTLE 1L	07100035
6-PACK SOAP BOTTLE 1L SUPPORT KIT	07100037
BATTERY BOX FOR 6 X D ALKALINE BATTERIES	06530041
REMOTE CONTROL FOR SOAP DISPENSER (OPTIONAL)	07100008
SOAP & WATER REMOTE CONTROL (OPTIONAL)	07100014

EXTREME SERIES

FEATURES
- Touch-free operation for liquid soap
- 100% brass body
- Single-hole mounted
- Soap dose selection with Stern remote control
- Non-proprietary soap

CODES/STANDARDS
- UL listed transformer
- CE RoHS

COLORS/FINISHES
- #CP Polished Chrome
- #BN Brushed Nickel

Stainless Steel
(Brushed Nickel)

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

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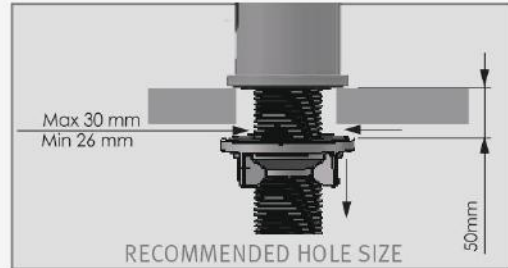Website: www. acmesanitaryware.com.hk

STERN

INSTALLATION

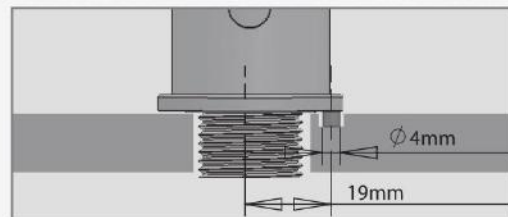## STEP 1 – REMOVE ALL MOUNTING HARDWARE

For TRENDY, ELITE, EXTREME, SMART, GREEN, GREEN 28 Soap Dispensers:

Drill a hole in the deck or lavatory according to the recommended hole size.

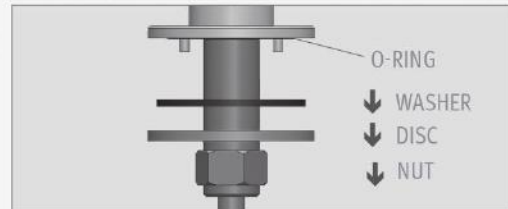Remove the nut, the disk and the gasket from the base of the soap dispenser body.

Max 30 mm
Min 26 mm

50mm

RECOMMENDED HOLE SIZE

If your dispenser is supplied with anti-rotation solution, drill an additional hole for anti-rotation pin.

⌀4mm

19mm

For CSABA Soap Dispenser:

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

O-RING

↓ WASHER
↓ DISC
↓ NUT

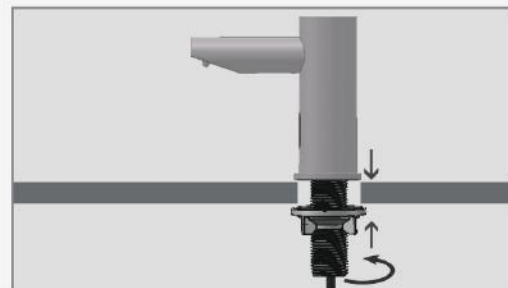Drill a hole in the counter for the mixing handle. Remove the nut, disk and seal.

34-36 mm

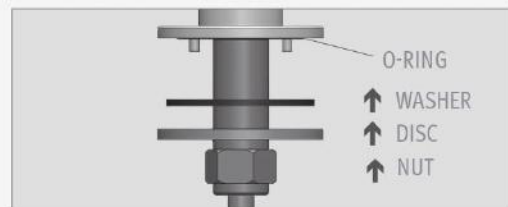## STEP 2 – INSTALLING THE SOAP DISPENSER

1. **For TRENDY, ELITE, EXTREME, SMART, GREEN, GREEN 28 Soap Dispensers:** Place the soap dispenser body along with the bottom ring into the hole in the deck or lavatory.

Slide the gasket, disk and nut over the soap dispenser body nipple and secure it.
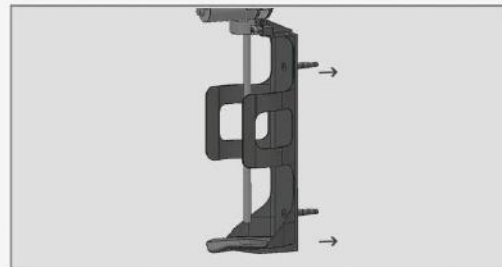
For CSABA Soap Dispenser:

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

O-RING

↑ WASHER
↑ DISC
↑ NUT

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INSTALLATION

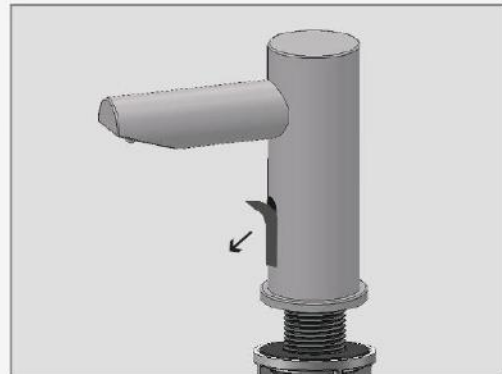| 2	Fix the bottle with bottle support to the desired location.	
3	Snap the soap pipe from the dispenser body into the quick connection fitting of the pump.	

STEP 3 – CONNECTING THE POWER SOURCE

1	Remove the protective sticker covering the sensor. Keep away from the sensor range.	
2	Connect the motor connector to its matching connector coming from the electronic unit. Please note that since the connector is water proof, some friction might apply.	O-RING VISIBLE – NOT CONNECTED PROPERLY / ONLY THE GROOVES ARE VISIBLE – CONNECTED PROPERLY

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INSTALLATION

IMPORTANT: the 4 contacts connector should be connected properly so that the white o-ring is not visible and a clicking sound is heard.

PAY ATTENTION: If the 4 contacts connectors is not connected properly, the motor will work continuously.

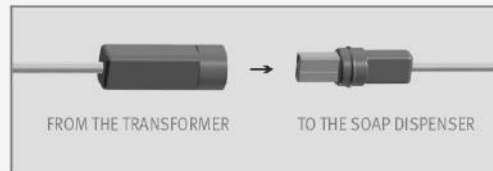|		
2a	**For battery versions:** install the battery box on the wall underneath the sink and connect the battery connector. **Caution:** *make sure to connect the connectors according to the indication on the battery box sticker.*	FROM THE SOAP DISPENSER TO THE BATTERY BOX
2b	**For transformer versions:** plug the transformer into the electricity socket and connect the transformer connector	FROM THE TRANSFORMER TO THE SOAP DISPENSER
3	Wait about 10 seconds before you put your hands within the sensor range.	ABOUT **10** SECONDS

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STERN

TROUBLESHOOTING

Indication	Investigation	Cause	Solution	Illustration
False activation: Soap dispensing	Continuous discharge from the nozzle	AUX connector not fully inserted	The connector should be inserted fully until white o-ring is not visible. Remove the o-ring if necessary	O-RING VISIBLE – NOT CONNECTED PROPERLY / ONLY THE GROOVES ARE VISIBLE – CONNECTED PROPERLY
	Random discharge from the nozzle	Reflection issue from other object	Eliminate any cause of reflection and if necessary use appropriate remote control to shorten detection range.	Min 1.5 M
	Soap discharging from pump housing.	Damaged pump due to high viscosity or debris in pipes	Replace the Pump. Rinse warm water through the pipe and the body of the soap dispenser all the way to the nozzle.	
Soap not dispensing	Pump is making sounds when sensor is activated	Soap tank is empty	Fill with soap with correct viscosity (100 - 3800 cPs) and prime pipes using the fill button on remote control.	
		Soap dispenser has not been primed	Prime the soap dispenser by pressing the fill button on the remote or by pressing the refill button located at the bottom of the pump, until soap exits the nozzle.	Press **FILL** Button
		Damaged pump (discharge from housing)	Replace the Pump	
		Debris or dried soap in the pipe or tank	Run warm water through pipe, pump, and body all the way to the nozzle. Replace with soap of correct viscosity.	
		High viscosity soap (> 3800 cPs)	NOTE: Using the soap dispenser with high viscosity soap may cause permanent damage to the pump and shorten the lifecycle.	Soap Viscosity (100 - 3800 cPs)
		Bent pipes	Unbend or straighten pipes.	

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TROUBLESHOOTING

Indication	Investigation		Cause	Solution	Illustration
Soap not dispensing	Pump is not making sound when the sensor is activated	Sensor is blinking when hand is placed in front	AUX connector not fully inserted	The connector should be inserted fully until the white o-ring is not visible. Remove the o-ring if necessary	O-RING VISIBLE – NOT CONNECTED PROPERLY / ONLY THE GROOVES ARE VISIBLE – CONNECTED PROPERLY
			Refill button on pump does not activate the pump.	Replace the Pump. Rinse warm water through the pipe and the body of the soap dispenser all the way to the nozzle.	Press
			Damaged pump (discharge from housing).		
			Debris or dried soap in the tank or tubing	Run warm water through pipe, pump, and body all the way to the nozzle. Replace with soap of correct viscosity. NOTE: Using the soap dispenser with high viscosity soap may cause permanent damage to the pump and shorten the lifecycle.	
		Sensor is not blinking when hand is placed in front	Refill button on pump does not activate the pump.	Transformer: Check operation with functioning transformer. Where necessary replace with appropriate transformer. For part numbers see spare parts list.	Refill button
				Battery: Check operation with functioning battery pack. Where necessary, replace batteries or replace the battery pack: Battery pack (without batteries)	
			Reflection issue from other object	Eliminate any cause of reflection and use appropriate remote control to shorten detection range.	Min 1.5 M
			Damaged sensor	If the above two solutions have not resolved this issue replace with appropriate sensor. For part numbers see spare parts list.	Replace sensor