Acme Sanitary Ware Co Ltd
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E-mail: acme@acmesanitary.com.hk
Website: www. acmesanitaryware.com.hk

PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

Item Descriptions	Stern (Israel) "Swan 1010" Chrome plated deck mounted sensor faucet in AC Supply with 5m wire AC 110-240 Vac 50/60Hz to 9V 0.3A **IP68 waterproof switching transformers**
Dimensions	L167 x W66 x H105 mm
Model	Swan 1010 E AB 1953
Code Number	250420
Finish	Chrome Plated
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012
E-mail	acme@acmesanitary.com.hk
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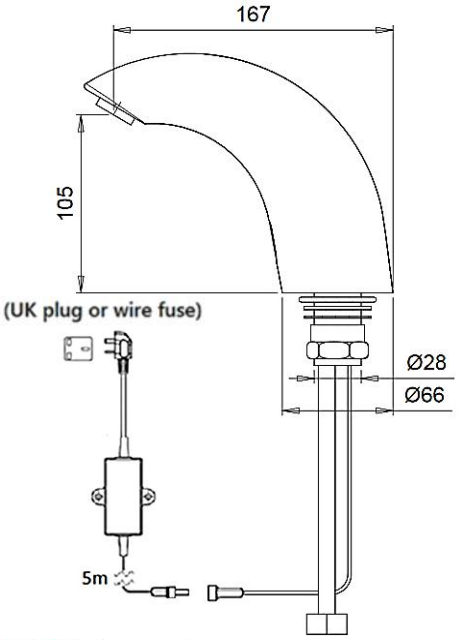
Illustration/ Drawing



SWAN 1010 E AB 1953 Ref # 250420

Touch-free electronic faucet for deck-mounted installations. Activated by an infrared sensor. Solid brass one-piece construction. For hot and cold water. Filters included. Includes a low battery indicator. Latching solenoid valve is located above deck inside the product for added vandal protection. Solid brass one-piece construction. 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 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 stadium, train and bus stations and highway rest stops.

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.

Water supply:
Cold or premixed water (1 inlet)

Water temperature:
Max 70 °C

Operating pressure:
0.5 - 8.0 bar

Power source:
9V Transformer

Stern Soap & Water:
Swan Soap dispenser

PRODUCT AT A GLANCE	
Installation	Deck-mounted
Power Supply	• 9V battery • 9V transformer
Operating pressure	0.5-8.0 bar / 7.0-116.0 PSI
Water supply	Cold or 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	Auto shutoff after 90 seconds. adjustable by remote control

ORDERING INFORMATION

MODEL	CODE	POWER	ADDITIONAL FEATURES
SWAN 1010	250220	9V internal battery	AB 1953 Lead Free
SWAN 1010 B	250310	9V battery	
SWAN 1010 E	250420	9V transformer	

OPTIONS

OPTION	CODE
Remote control	07100005
Matching battery-powered soap dispenser	250920
Matching transformer-powered soap dispenser combination	250910

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

tment
Immigration Tower, 7 Gloucester Road, Hong Kong

電子郵遞 e-mail wsdinfo@wsd.gov.hk

電話 Telephone 2829 4367 圖文傳真 Facsimile 2824 0578

來函檔號 Reference (2) in WSD 3321/16 Pt.1 T/J(300)

23 March 2016

Approval of "STERN" Sensor Tap

Your letter ref. HX/W/0555/16 dated 1 March 2016 refers.

Having considered test report ref. 155629ST151113(5) issued on 29 February 2016 by the Fugro Technical Services Limited, this Authority accepts that the fitting described below complies with, and its use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer:	Y. Stern Engineering (1989) Ltd.
Country of Origin:	Israel
Brand:	Stern
Details of Fitting:	1/2" Electronic sensor tap
Model:	Swan 1010
Body Markings:	Logo of "Stern"
Expiry Date:	15 February 2021

This Authority hereby permits the use of the above fitting in fresh water plumbing systems subject to full adherence to Waterworks installation requirements. In particular, you are required to draw your customers' attention to the following requirement-

> "The cold water supply to the fitting shall be drawn from the same source that supplies the hot water apparatus so as to provide a balanced pressure and to obviate the risk of scalding in the event of a restriction or failure in the water supply."
>
> "A stop cock or gate valve must be installed at the upstream of the fitting for manual isolation of water supply." AND
>
> "The main voltage operated sensor valve should comply with the electricity safety regulation for applications in bathroom, toilet etc."

A condition of this acceptance is that the fitting to be installed shall be replicas of the sample as certified by the testing agent mentioned above and without modifications. This acceptance may be withdrawn at any time if the standard of the fitting installed fails to meet that of the approved sample or if the fitting is found to be unsuitable for use in fresh water plumbing systems.

This acceptance is only applicable to the main body of the fitting, unless other specified.

For the use of the fitting in any project, the Acceptance Reference Number at the bottom of this letter must be quoted as a means of identification of acceptance of the fitting by this Authority.

Should you have any enquiries, please contact our Engineer Ms. K L FOK at tel. no. 2829 5657.

Yours faithfully,

(LAM Ching Man)
for Water Authority

c.c. WSD 3321/1/82] - without catalogue
E/CS(TS)1] - with soft copy only

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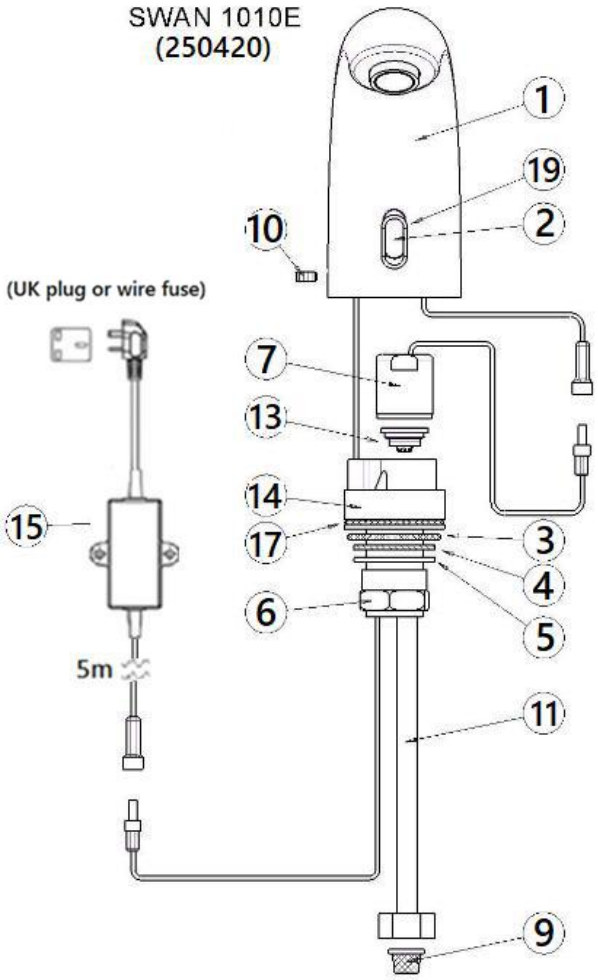
SPARE PARTS LIST



Quantity	Part Number	Description	Cat. No.
	-	**Seals and Screws Kit**	**07210001**
1	3	O-ring	
1	4	Gasket	
1	19	O-ring	
1	17	O-ring	
1	10	Screw	
	-	**Sensor Kit**	**07220190**
1	2	Infra Red Sensor	
1	19	O-ring	
	9	**Filter**	**08530014**
	-	**Solenoid Valve Kit**	**07230002**
1	7	Solenoid valve	
1	13	Diaphragm	
	13	**Diaphragm**	**04500001**
	-	**Insert for SWAN 1010 Kit**	**07240014**
1	14	Insert	
1	17	O-ring	
1	3	Seal	
1	4	Gasket	
1	5	Disk	
1	6	Hexagonal nut	
	15	**Transformer**	TBC

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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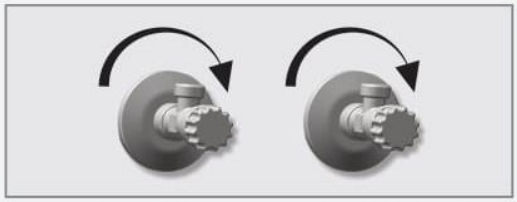
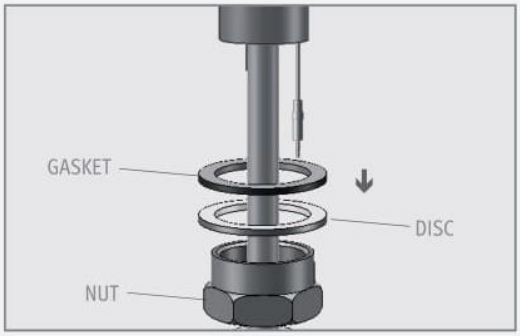
FAUCET INSTALLATION

STEP 1 – PREPARATION FOR MOUNTING THE FAUCET

1. Shut off the water supply.

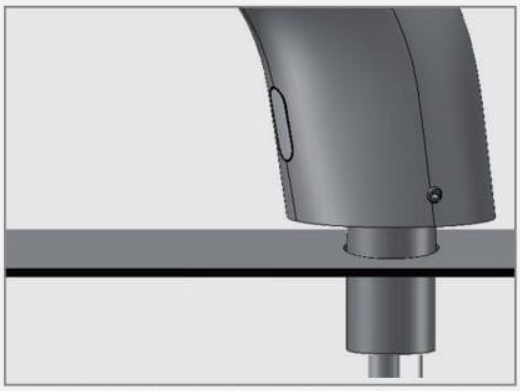


2. Remove the hexagonal nut, the disk and the gasket. Do not remove the O-ring from the base of the faucet.

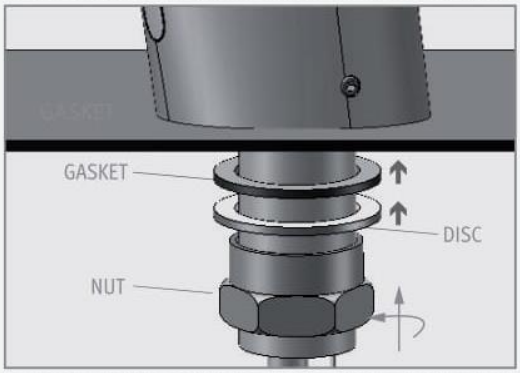


STEP 2 – INSTALLING THE FAUCET

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. Below the deck, slide the gasket, disk and hexagonal nut over the flexible hose and secure the faucet into place.



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FAUCET INSTALLATION

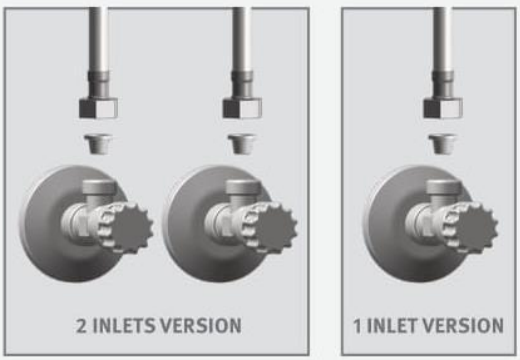
STEP 3 – CONNECTING THE WATER SUPPLY

1

Connect the flexible pipe to the water supply.

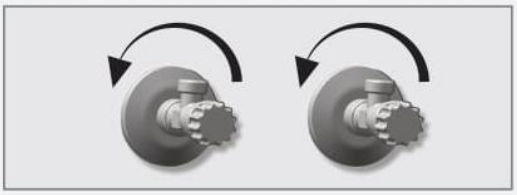
For models with temperature control connect the red flexible pipe to the hot water supply and the blue flexible pipe to the cold water supply.

Make sure the filter (s) is installed between the flexible hose (s) and the shut off valve (angle valve - not supplied).



2

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

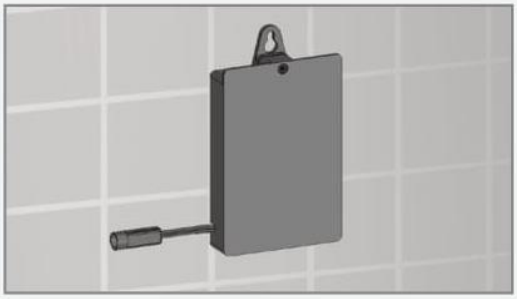


STEP 4 – CONNECTING THE POWER SOURCE

If your model is Swan 1010 \ Swan 1000: your product contains an internally mounted 9V battery. To activate it, proceed to clause # 2.

1

If your model is Swan 1010 B \ Swan 1000 B: install the battery box underneath the sink with the cable connection pointing down and connect the connectors.



If your model is Swan 1010 E \ Swan 1000 E: Plug the transformer into the electricity socket and connect the connectors.

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FAUCET INSTALLATION

2	Remove the protective sticker from the sensor	
3	Wait a few seconds before activating the faucet. If the range is unsatisfactory, refer to the section titled “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.