



PROJECT		REF		REV	ITEM CODE	
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SANITARY WARE SPECIFICATION SHEET

Item Descriptions	Stern (Israel) "Prox sensor" Concealed faucets sensor in DC Supply with 9V battery box	Illustration/ Drawing
Dimensions	L57 x W35 x H35 mm	
Model	Prox kit for faucets	
Code Number	620200	
Finish	Chrome Plated	
Source	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	
Website	www.acmesanitary.com.hk	

PROX SENSOR KIT FOR FAUCETS
Ref # 620200
 Touch free electronic prox sensor kit for faucets. Includes a proximity sensor unit, solenoid valve with housing and power supply. Filter included. The following settings can be changed by using the Stern remote control: Sensor Range, Delay In, Delay Out and On-Off.

Application:
 Allows quick and easy modification of almost any traditional sanitary ware into an automatic touch-free one. Being modular, it fits any interior and can be integrated with any existing water outlet.

Use:
 Touch free electronic prox sensor kit for faucet. The faucet is activated automatically when the users bring their hands within the sensor range and stops when the users remove their hands.

TECHNICAL DATA

Product control: Prox sensor

Power Supply: 9V battery or 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

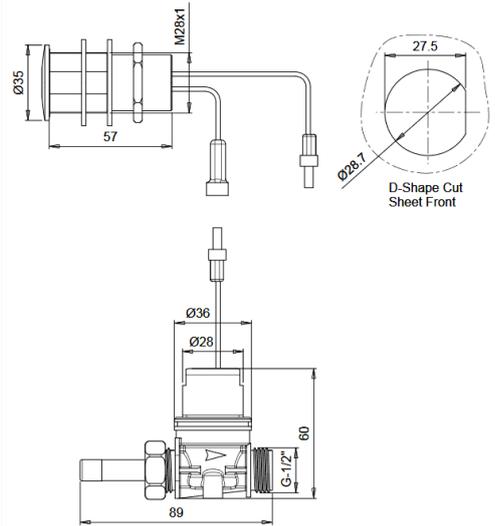
Hot water temperature: Max 70° C.

Min. sensor range 80 mm

Max. sensor range 300 mm



- Water supply:**
Cold or premixed water (1 inlet)
- Water temperature:**
Max 70°C
- Operating pressure:**
0.5 - 8.0 bar
- Power source:**
9V Battery



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



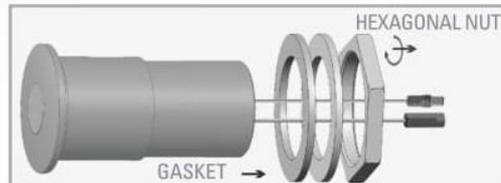
INSTALLATION

PROX

STEP 1 - PREPARATION FOR INSTALLATION

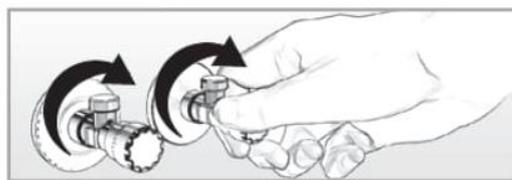
1

Remove the hexagonal nut, disk and gasket from the sensor body.



2

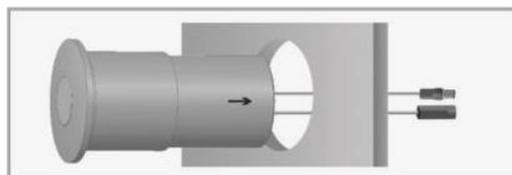
Shut off the water supply



STEP 2 – INSTALLING THE SYSTEM

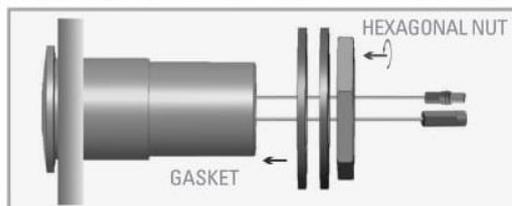
1

Place the sensor at its designated location.



2

Slide the hexagonal nut, disk and gasket over the sensor body and secure them into place.



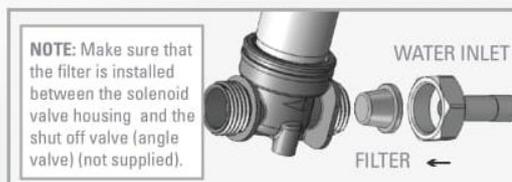
3

Connect the water outlet to the solenoid valve housing.



4

If your system is provided with an inlet nipple, fit the water supply inlet to the inlet nipple at the solenoid valve housing or connect it directly to the shut off valve.





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

Website: www.acmesanitary.com.hk



INSTALLATION

PROX

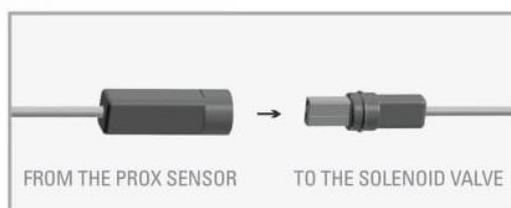
5

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



6

Connect the water proof connector coming from the prox sensor to the solenoid valve connector.



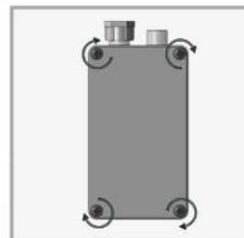
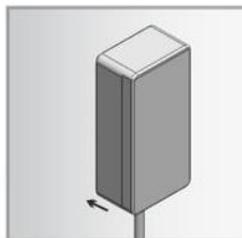
STEP 3 – CONNECTING THE POWER SOURCE

Connect the water proof connector coming from the prox sensor to the power source.



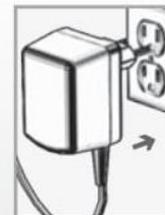
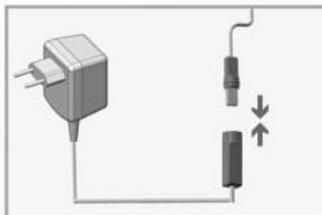
FOR BATTERY MODELS:

Install the battery box at the wall using the screws or the two sided adhesive foam tape.



FOR TRANSFORMER MODELS:

- Connect the water proof connector coming from the prox sensor to the transformer.
- Plug the transformer into the electrical socket.



IMPORTANT: In order to avoid going into adjusting mode, wait 10 seconds before operating the system.



TROUBLE SHOOTING

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. Red light 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. Red light 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.	
		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 backcheck 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. Red light 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 cause of interference.
		2. Sensor is picking up reflections from the washbasin or another object.	1. 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.