



MITCHELL ENGINEERING FOOD EQUIPMENT PTY LTD



CAT 67903

Automatic Sensor Tap Installation Manual

Revision

2

Product Description

- With Micro- computer sensor control module, Low-consumption Micro-processor chip, stable features and strong Anti-interference function.
- Memorises adjusted sensor distance and stores into the electronic chip
- Option to use either 6 V battery pack and 240V Transformer (supplied)
- Sensor distance can be self- adjusted according to the environment.
- PCB electronic control module is double sealed and coated by high performance water proof membrane, then sealed with epoxy resin
- Faucet body is made from #59 solid brass with a superior electroplating to prevent corrosion and give a nice shiny finish
- Water saving aerator used in faucet, to prevent water splash and allow for a soft flow
- The faucet has been precisely manufactured and tested, to ensure the quality of the product reaches international standards

Technical Data

- Faucet spout material: solid brass with chrome finished
- Power supply: AC 240V or DC 6V (4pcs AA alkaline batteries)
- Battery life: 150,000 cycles
- Sensing range: 5cm to 22cm (automatic adjustable)
- Working temperature: 1 - 600C
- Water pressure: Minimum necessary water pressure 0.07Mpa - 0.7Mpa
- Supply inlet size: BSP 1/2 (DN15), male thread
- Installation diameter: single hole (32mm)
- Response time: less than 0.7 second
- Water stop protection time: 60 second
- Water flow rate: When water pressure under 0.3 Mpa less than 3 L/S



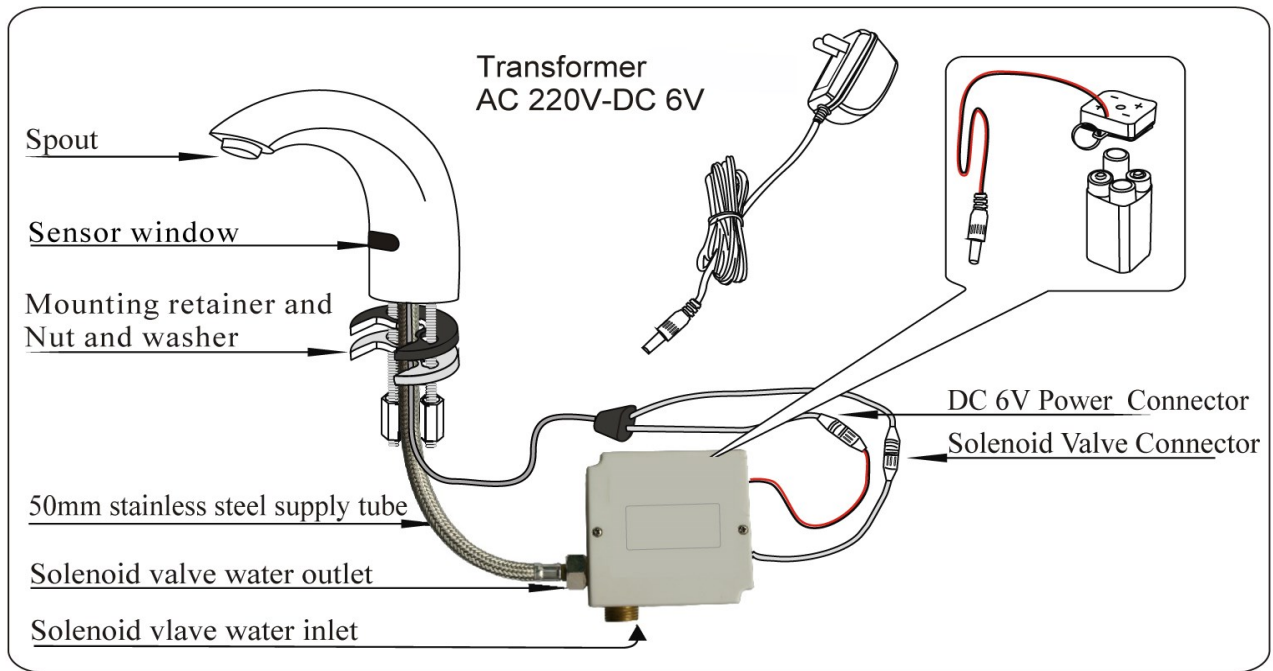
Operation:

	<p>The sensor tap will run when hands are detected. Tap will remain on for as long as hands are in range.</p> <p>The sensing range is automatically calibrated when first powered</p>
	<p>The tap will automatically switch off when hands are removed, to reactivate flow simply place hands under sensor</p>
	<p>The tap has a safety feature that will automatically switch off after more than 30 seconds of flow. to reactivate simply remove and re-apply hands. The tap is safe ,will switch off if no batteries, normally off</p>

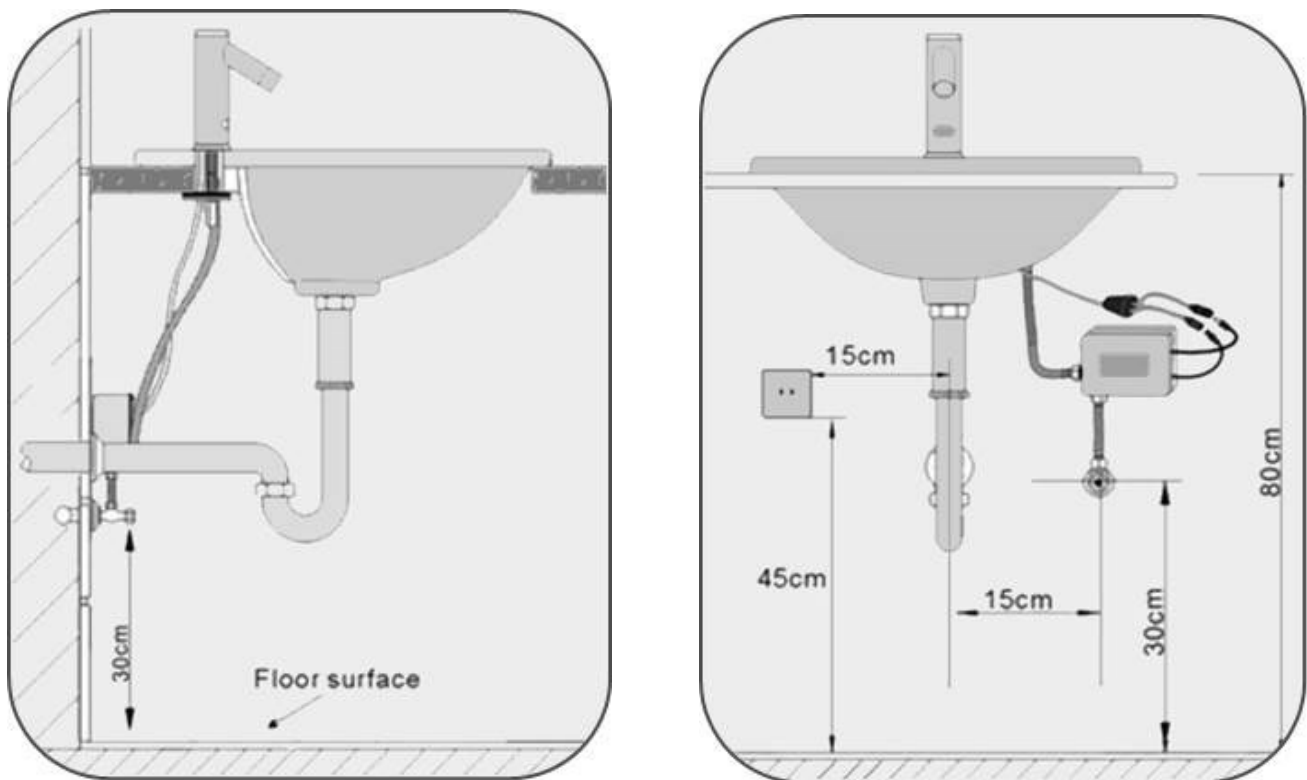
Attention:

When the user uses the faucet for more than 60 seconds, or faucet is activated for a long period, the solenoid valve will close automatically, until the user steps away from the sensor. Sensor will reset for normal use.

Faucet Rough-In



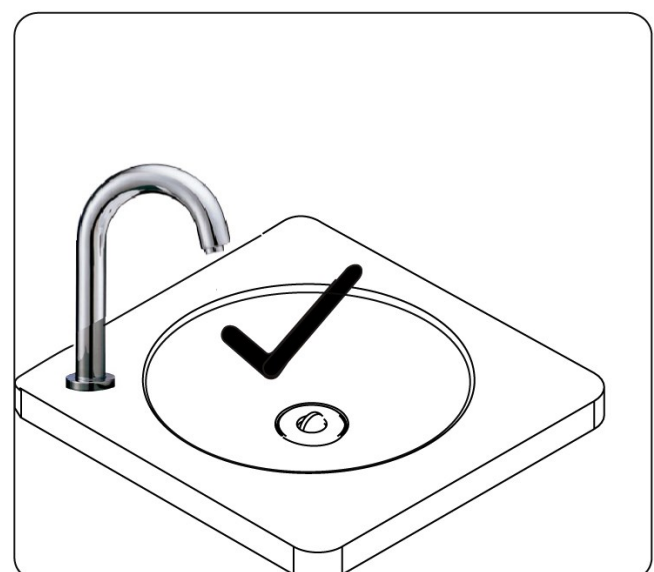
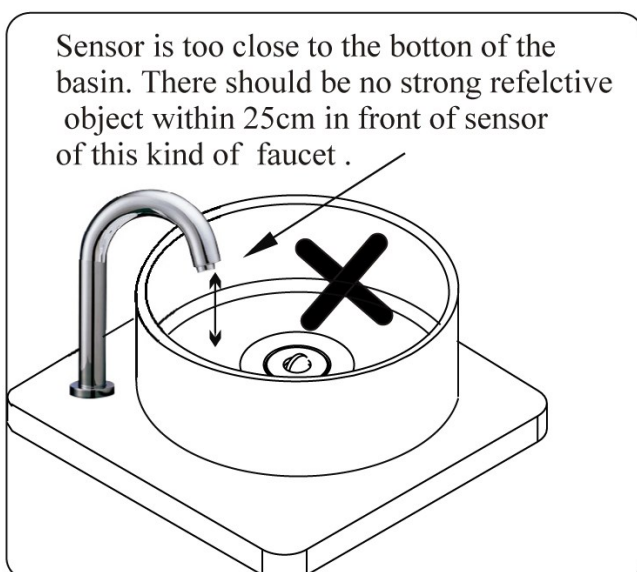
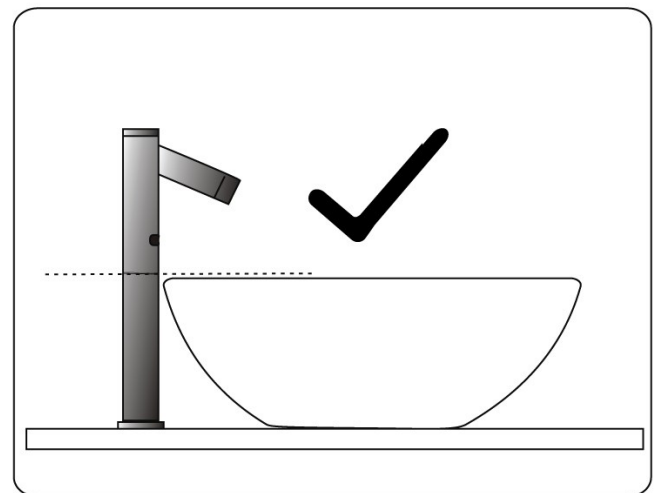
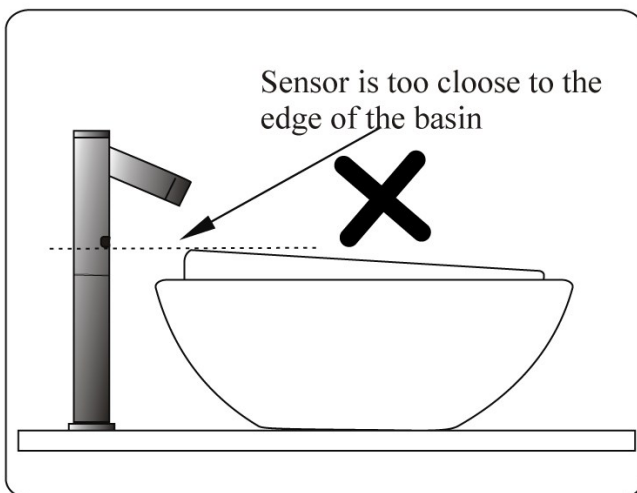
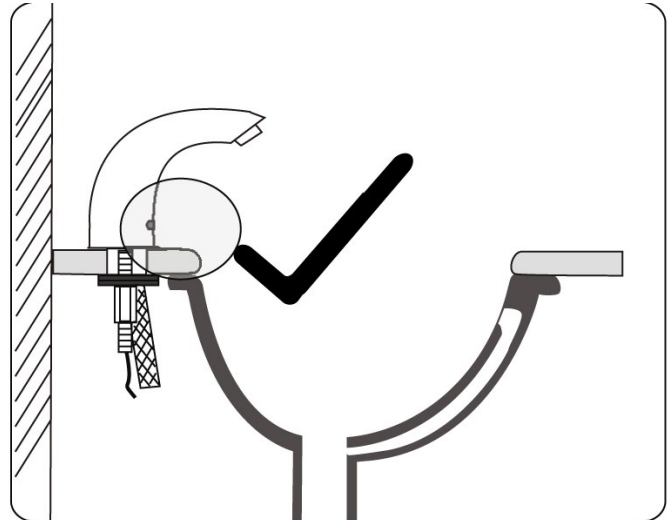
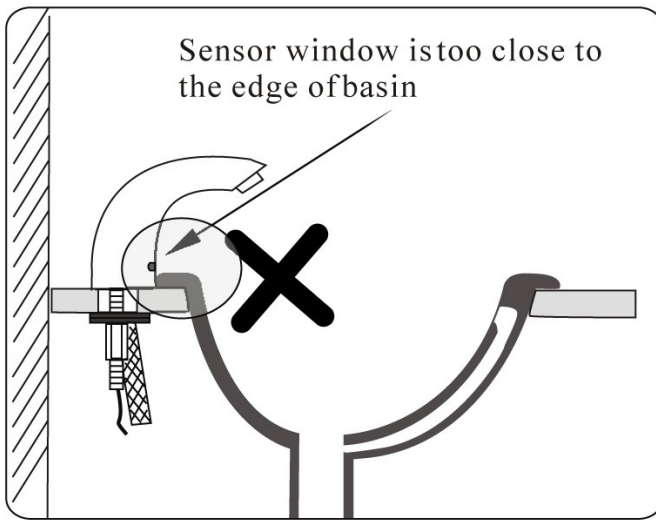
Installation Dimensions



Prior to Installation

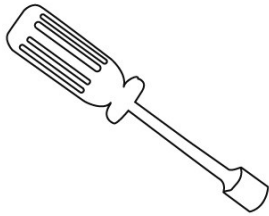
Please choose the right basin prior to installation

Warning: Sensor of the faucet must be higher than the basin or lavatory. Minimum of 15mm.

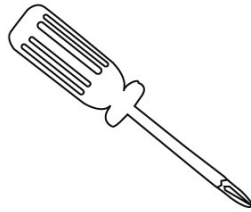


Prior to installing faucet, prepare the items listed below.

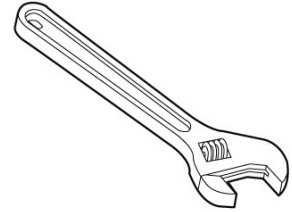
- Please choose the right basin before installation.
- Water supply pipe and water-proof socket (for electricity type).
- Hot/Cold water inlet flexible hose with 1/2 inch BSP nut on both ends. (Water temperature should be less than 40 degrees)
- Ensure all pipes are cleared of any dirt before installation.



a. 12 mm socket screw driver.



b. Philips head screw driver.

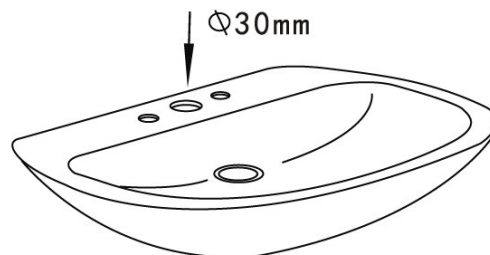


c. Shifter Spanner.

If install the faucet on the sink with three (3) connection holes, make sure themiddle diameter is bigger than 30 mm. The two (2) holes besides can be covered with long trim plate to keep it nice appearance and waterproof. Long strip ornament cover should be solely Optional Accessory.

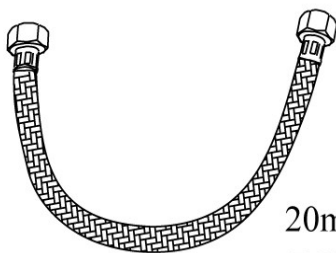


Long strip
ornament cover

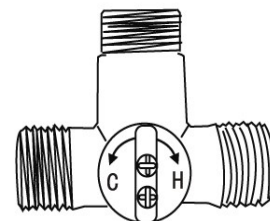


Hand basin with three(3)
connection holes

- Supply stops and 20mm flex hose with DN 15 nut at both ends
- Water pipes and waterproof electricity mains (for AC type)
- If you need to adjust water temperature, please purchase cold and hot supply mixer and 2 extra 20mm flex hose with DN15 nut at both ends.
- Flush all pipe lines until water is clear before connecting.

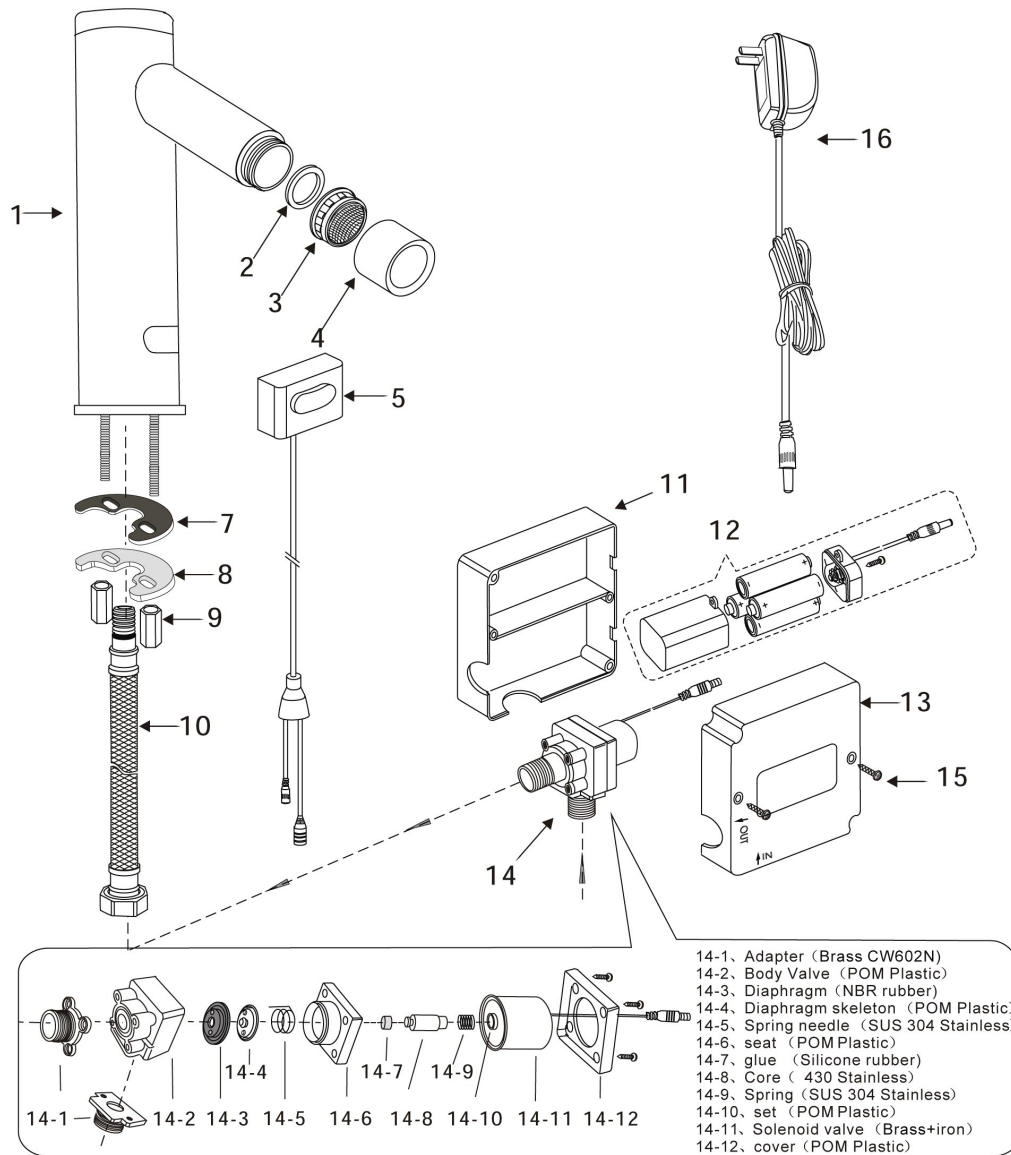


20mm flex hose with
DN15 nut at boh ends



hot and cold water mixer

Cat 67903 Automatic Faucets Exploded View



ITEM	PART#	DESCRIPTION	MATERIAL	ITEM	PART#	DESCRIPTION	MATERIAL
1.	679-030	Faucet Body	Brass CW602N	9.	679-036	Copper Nut	Brass CW602N
2.	679-031	Rubber Mat	NBR Rubber	10.	673-058	Braided Hose	SUS 304 Stainless
3.	679-032	Aerator	POM Plastic	11.	679-120	Housing	ABS Plastic
4.	679-033	Spout Shell	Brass CW602N	12.	679-121	Battery Box	ABS Plastic
5.	679-115	Sensor	Electronic Hardware	13.	679-120	Housing	ABS Plastic
7.	679-034	Rubber Mat	NBR Rubber	14.	679-122	Solenoid Valve	POM Plastic
8.	679-035	Brass Mat	Brass CW602N	15.	679-038	Screw	Stainless Steel
				16.	679-128	Power Adaptor	Electronic Hardware