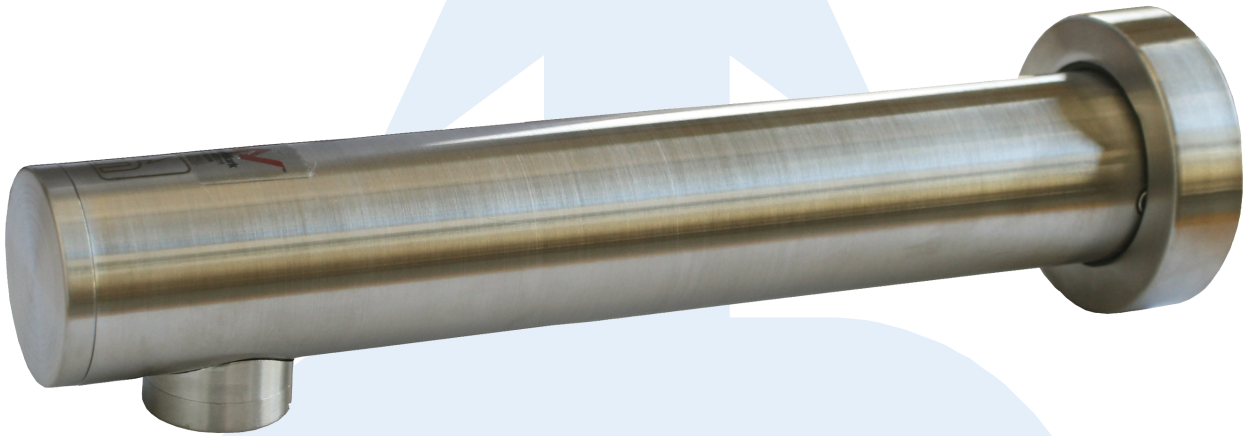




**MEFE**  
MITCHELL ENGINEERING  
FOOD EQUIPMENT PTY LTD

## Installation Manual



### Automatic Sensor Tap All-in-One Wall Mounted

CAT 673031  
Stainless Steel

CAT 673031B  
Matte Black

Revision 21

## Product Description

- This sensor tap is designed to turn on with sensor activation and off when hands are removed.
- Features a micro-computer infrared sensor control module, low consumption microprocessor chip with stable performance and high anti-interference.
- Automatically calibrates sensing range according to the environment and stores this in the electronic chip.
- A water saving aerator is used in the faucet to prevent water splash back and allow for a soft flow.
- Supplied with integrated DC 6V battery pack.
- The faucet has been precisely manufactured and tested, ensuring the quality of the product satisfies international standards.

## Pre-Install Instructions

Please choose an appropriate basin before installation, avoid basins with strong reflective surfaces.

The sensor tap should be installed 250mm minimum above the washbasin.

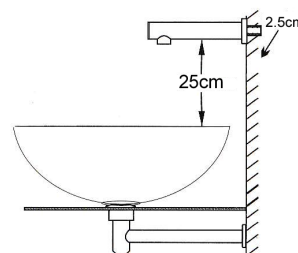
**Please ensure all pipes have been flushed for at least 60 seconds and are clear of dirt and impurities** (water must be clear).

Installation must be in accordance with the National Plumbing and Drainage standard – AS/NZS 3500.

When installing/removing battery's remove the sensor first then the battery pack.

**Do not use force when unplugging wires and removing the battery pack.**

Ensure the flow adjustment is set correctly for your water pressure



## Specifications

<b>Power</b>	DC 6V 4 x AA alkaline batteries* (batteries not supplied)	<b>Installation Diameter</b>	Single hole to suit G 1/2"
<b>Battery Life</b>	150,000 cycles	<b>Response Time</b>	0.3 seconds
<b>Sensing Distance</b>	<b>Products before SN: 11044</b> Default approximately 10cm <b>Products including and after SN: 11044</b> Default approximately 10cm Reprogrammed with remote achieves min 0 to 5 or max 0 to 20cm**	<b>Water Stop Protection (Auto Shut Off)</b>	Approx. 30 - 60 seconds
<b>Working Temperature</b>	1°C - 60°C	<b>Working Pressure</b>	0.07Mpa—0.7Mpa
<b>Inlet Size</b>	G 1/2"	<b>Faucet Body Material</b>	Stainless Steel

\*AA Alkaline batteries must be maximum 14mm in diameter. If it seems you are forcing the batteries please choose a different brand as AA batteries can range between 13.5 and 14.5mm in diameter. We recommend Energizer Max E91 AA batteries.

\*\*To reprogram sensing range use optional remote 673-100R.



### WaterMark Certified

Australia and New Zealand WaterMark certified with approved licence number WM-022559.



### 6 Star WELS Rating

This guarantees that the product is in accordance with the standard set under the National Water Efficiency Labelling and Standards and has the highest possible water efficiency rated 6 Stars. Licence number 1718.

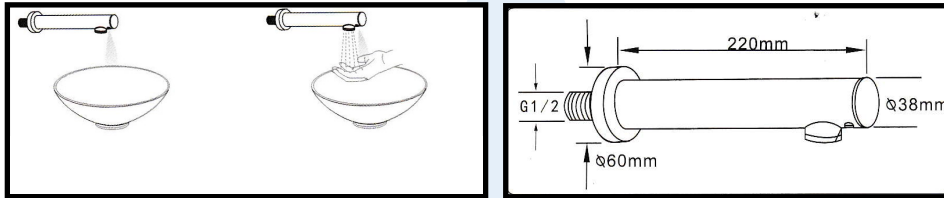


### DDA Compliant

Suitable for use for AS 1428.1 design and access requirements when installed in reference to AS 1428.1 2009 Amendment 1 and the intent of the Disability Discrimination Act (DDA).

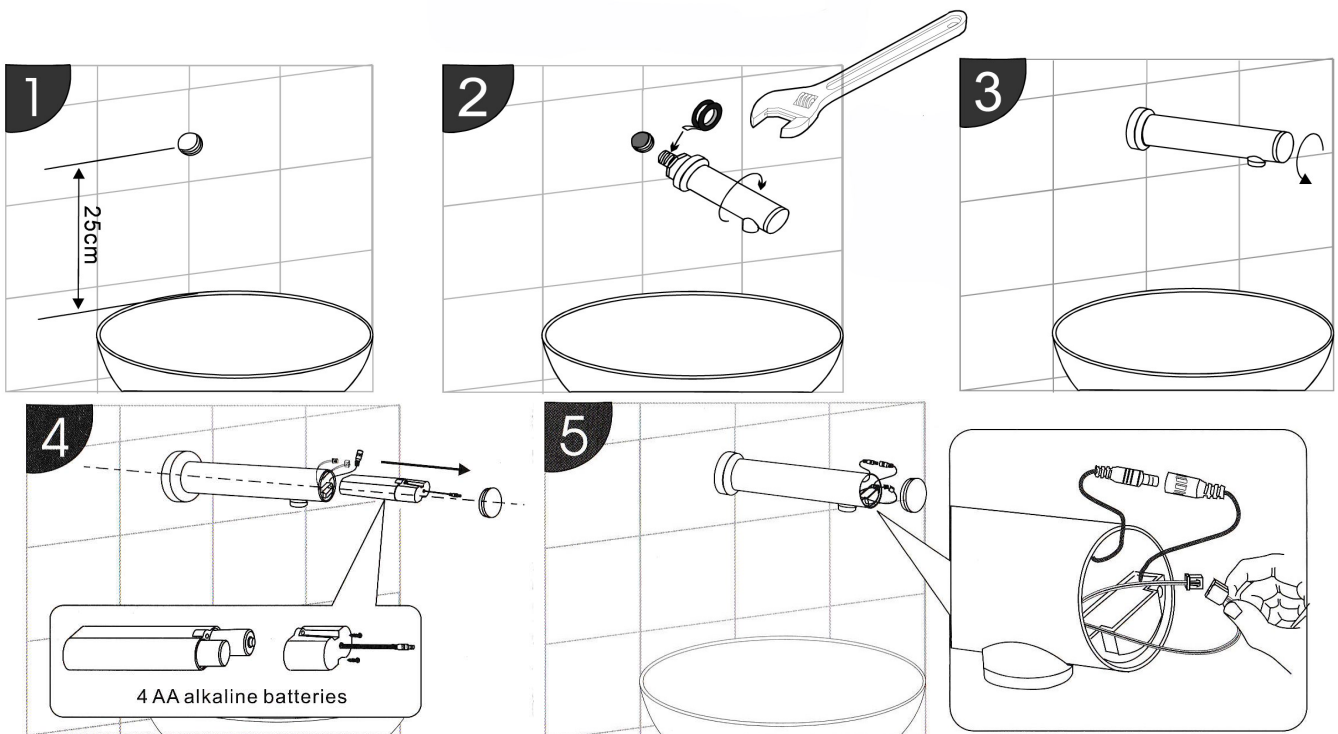
## Technical Data

1. Invisible light rays are continuously emitted from the faucet sensor.
2. When the user's hands come into range of the sensor detection zone, the solenoid valve is activated.
3. After the user removes their hands, the valve closes.
4. The circuit will automatically reset for the next user.
5. If an object is in view for 30—60 seconds, the faucet will automatically shut off. The faucet will remain off until the object is removed.



## Installation

1. Leave a hole of G1/2' in diameter, 25mm inner thread depth in the wall (Figure 1).
2. Rest the thread end of the faucet with thread sealing tap into the G1/2' thread hole. Use a spanner to fix it to avoid leakage of water (Figure 2).
3. Open the cap of the faucet by twisting anti-clockwise with your hand (Figure 3).
4. Take out the battery housing and install batteries. Once the batteries are installed, return the battery holder into position and put the sensor back into the faucet immediately. When the LED light does not flash, remove the sensor and plug in the solenoid valve to accurately adjust the sensing distance (Figure 4).
5. Connect the solenoid valve and the sensor. The faucet is now ready for use (Figure 5).



## Fault Check

**Before fault checking:** please make sure the installation distance is adequate and correct by referring to the Pre-installation instructions.

The LED indicator will light up twice and then stop once after the batteries are installed. To confirm the sensor is working, place your hand within the sensing range and check that the LED indicators lights once.

Problem	The faucet has no water flow and there is no LED indicator light when within the sensing range
Cause	The batteries are not supplying electricity to the sensor.
Solution 1	Confirm the batteries have been correctly installed. Check that the positive pole is connected to “+” mark on the plastic battery box. Check that the negative pole is connected to “-” mark on the plastic battery box. Confirm the batteries are the correct size as per this manual and have not been forced.
Solution 2	If the LED indicator does not light up and power is confirmed, replace the sensor control module.
Problem	The faucet has no water flow and there is a LED indicator light when within the sensing range
Cause 1	Inadequate electricity supply.
Solution	Place hands under the sensing range for >5 seconds. If the LED indicator blinks every 1.5 seconds there is inadequate electricity.
Cause 2	Solenoid valve components are defective.
Solution	The LED indicator should spark for 2 seconds and then turn off. Place your hands within the sensing range, if the LED indicator lights up once but you can not hear the audible “click” sound from the solenoid valve, please check the connections between the sensor control model and solenoid valve. If the connections are good, change the solenoid valve components.
Problem	The faucet has low water flow
Cause	Low water pressure or water supply stop(s) are partially closed.
Solution	Refer to installation step 3—at this point, increase water pressure and open the water supply stop (s) fully.
Problem	The faucet has water flow but does not close completely
Cause 1	The solenoid valve is blocked by debris.
Solution	Disassemble the solenoid valve and clean it. Flush pipes and ensure water supply is free of debris. Change the solenoid valve components if the problem is not solved.
Cause 2	Low water pressure.
Solution	Increase water pressure.
Problem	The faucet has water flow but will not stop running
Cause	Please confirm adequate electricity supply and solenoid valve connections.
Solution	If the problem persists, check that the sensing range is adequate i.e. installed above the washbasin no less than 25cm. Check that the basin surface is not stainless steel or reflective.

## Cleaning and Maintenance

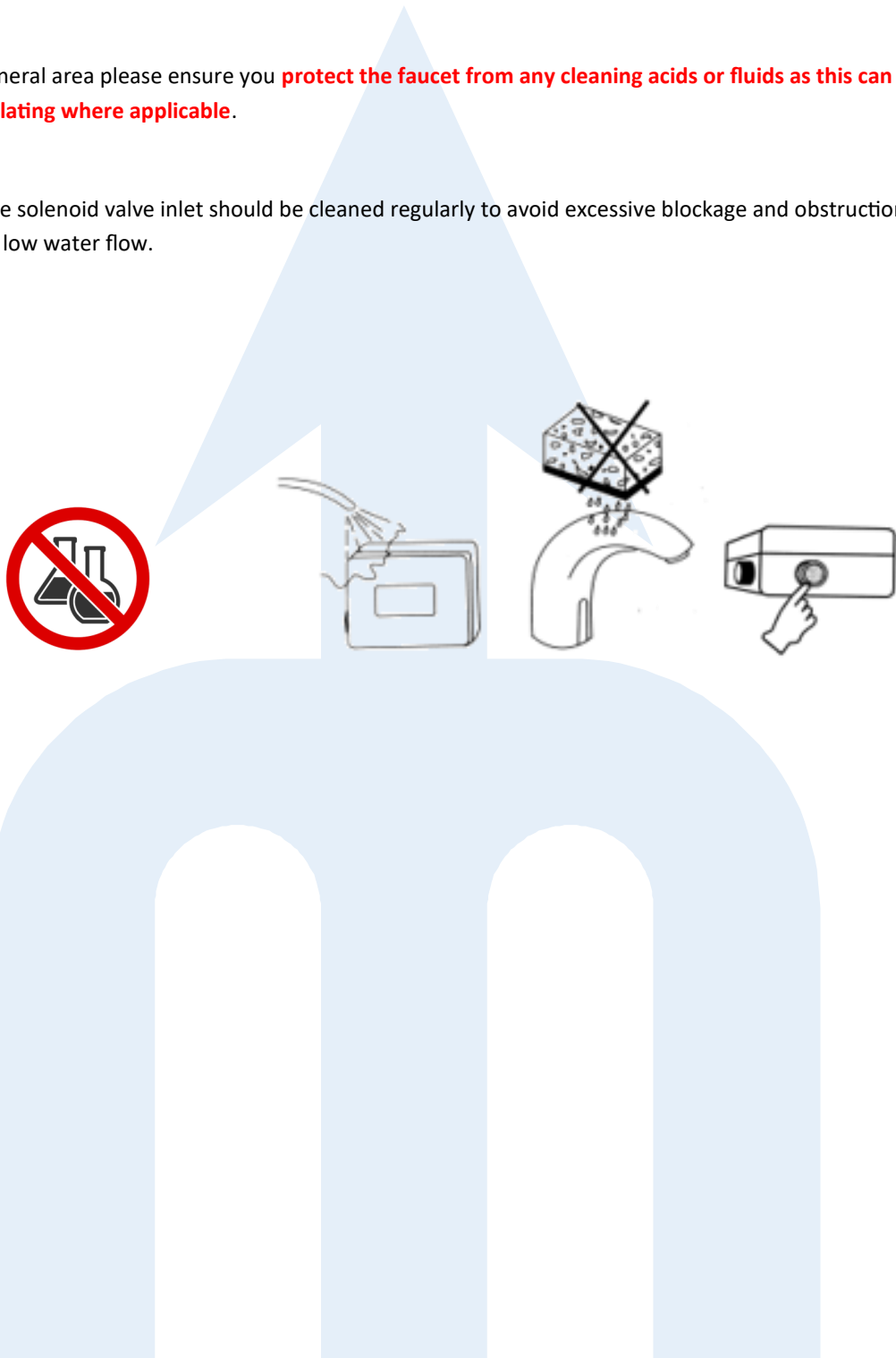
Regular cleaning is essential to keep your tap looking its best.

**Do not use abrasive or chemical cleaners** (including chlorine to clean the faucet as this can dull or damage the lustre and finish of the tap).

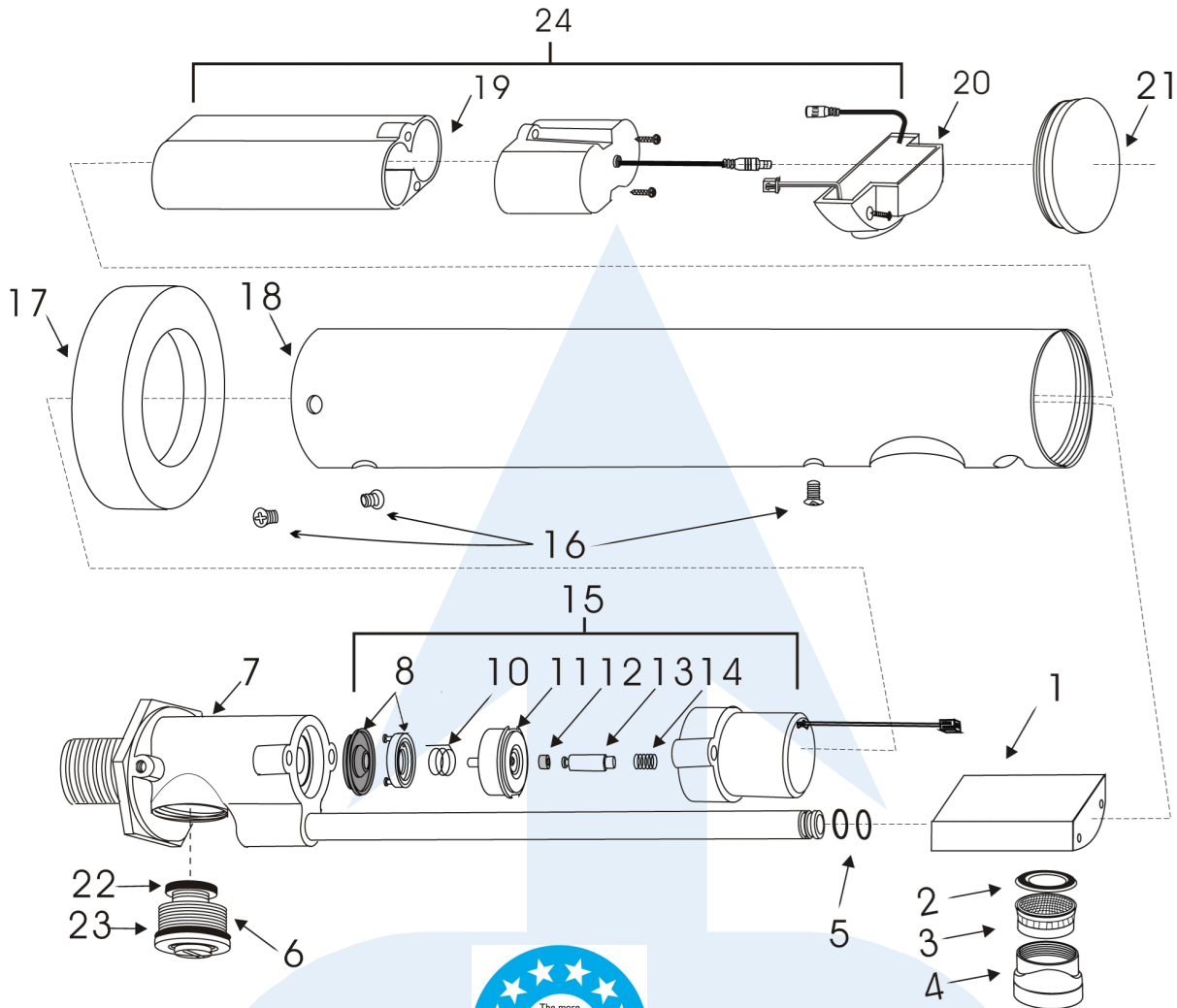
**Wash only** with soap water and dry with a clean soft towel or microfibre cloth.

When cleaning the general area please ensure you **protect the faucet from any cleaning acids or fluids as this can discolour or remove the chrome plating where applicable.**

The filter screen on the solenoid valve inlet should be cleaned regularly to avoid excessive blockage and obstruction caused by impurities resulting in low water flow.



# Exploded View



No.	Part #	Description	Material	No.	Part #	Description	Material
1.	673-033C	Spout Adapter	SUS 304 S/Steel	13.	673-040	Iron Core	430 S/Steel
2.	673-033B	Rubber Mat	SUS 304 S Steel	14.	673-039	Spring	SUS 304 S/Steel
3.	673-033	Aerator	Brass CW602N	15.	673-038	Solenoid Valve	Plastic, Rubber, Metal
4.	673-034	Spout Shell	NBR Rubber	16.	673-045	Screw	SUS 304 S/Steel
5.	673-035	O-Ring	POM Plastic	17.	673-042	Cover	SUS 304 S/Steel
6.	673-036	Flow Adjustment	Brass CW602N	18.	673-030	Faucet Body	SUS 304 S/Steel
7.	673-037	Housing	Electronic Hardware	19.	673-043B	Battery Box	Hardware Electronic
8.	673-041	Diaphragm	Brass CW602N	20.	673-043A	Sensor	Electronic Hardware
10.	679-041B	Spring needle	SUS 304 S/Steel	21.	673-044	Faucet Cover	SUS 304 S/Steel
11.	679-041C	Diaphragm seat	POM Plastic + Rubber	22.	673-036a	Seal	NBR Rubber
12.	679-041D	Glue	Silicone Rubber	23.	673-036b	Seal	NBR rubber
				24.	673-043	Battery Box / Sensor	Electronic Hardware