

Zip[®] Sensor Tap DC

Touch-free automatic tap



42221 Zip Sensor Tap DC Model

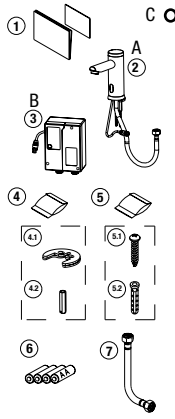


1. SPECIFICATIONS :

Control Box Dimension (WxHxD)	10.2 X 13.6 x 6.3 cm
Faucet Dimension (WxHxD)	5.4 x 15.1 x 14.1 cm
Power	DC 6V Battery 4pcs of Alkali AA 1.5V
Detection Range Adjust (200mm)	Dynamically or Fixed by DIP switch
Water Pressure	0.5~7 bar (kg/cm ²) (7~100psi)
Pedestal	Single Hole ø3.6 cm (Max.)
Pipe Size	BSP 1/2"
Time Delay	0.5 ~ 1 sec
Water Temperature	5 ~ 55°C

2. ITEM LIST :

ITEM	DESCRIPTION	QTY
1	1 x Installation Instruction, 1 x Installation Template	1pc
2	Spout (Faucet)	1set
3	Control Box	1set
4 INSTALLATION KIT (1)	4.1 Fixation Washer	1pc
	4.2 Fixation Nut	2pcs
5 INSTALLATION KIT (2)	5.1 T4 x 16 Screw	2pcs
	5.1 Plastic Dowel	2pcs
6	4 pcs of Alkaline Battery AA (1.5V each)	4pcs
7	Flexible Hose (Water Connector) 1/2" x 1/2"	1pc



SPARE PARTS KIT LIST :

ITEM	DESCRIPTION	KIT NO.
A	SPOUT (FAUCET) KIT	99145
B	DC CONTROL BOX KIT	99146
C	O-RING SEAL KIT	99147
D	SENSOR ASSEMBLY KIT	99150

3. OVERVIEW :

ITEM	DESCRIPTION
A	Control Box Cover (Left)
B	Control Box Cover (Right)
C	Rubber Plug
D	Solenoid Valve
E	Valve Body
F	Filter
G	Filter Plug
H	Battery Housing
I	Battery Housing Lid
J	Housing
K	Sensor
L	Screws
M, N	Sensor Connector
O, P	Battery Connector
Q, R	Solenoid Valve Connector
S	Faucet Body
T	Aerator
U	Fixation Washer
V	Fixation Nut
W	Flexible Hose to Spout
X	Flexible Hose (Water Connector)

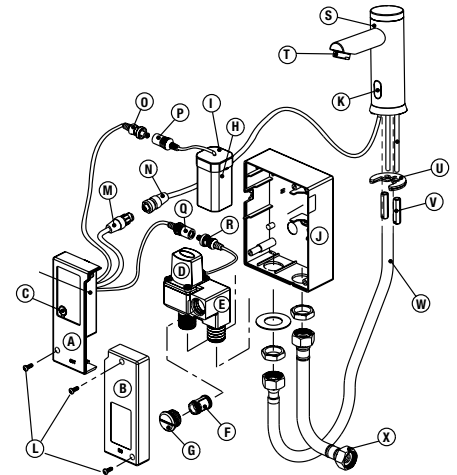
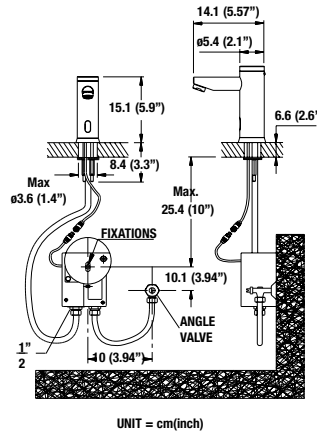
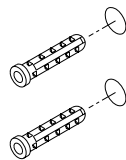
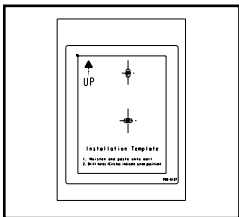
4. INSTALLATION:

4.1 Precaution

Prior to connecting the water supply, make sure to flush the supply pipe thoroughly. Dirt and big particles from the water supply might lead to clogged filters and result in malfunction.

4.2 Drilling Holes Into Wall

- Paste Installation Template onto wall, then drill 2-ø6mm holes.
- Insert the plastic dowels into the holes.



4.3 Remove Right Control Box Cover (Fig. 4.3)

- Remove the two screws and take off the Right Cover.

4.4 Remove Battery Housing (Fig. 4.4)

- Unplugged battery connector cable and remove the battery housing.

4.5 Fix Control Box (Fig. 4.5.1)

- Position control box over dowel, fix it with screws provided.

Important Note: Control box must be installed according to Fig. 4.5.2 as wrong installation may lead to malfunction.

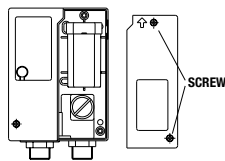


Fig. 4.3

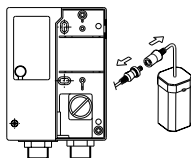


Fig. 4.4

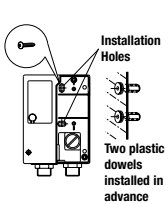


Fig. 4.5.1

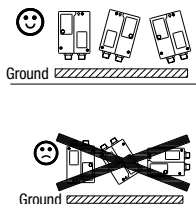


Fig. 4.5.2

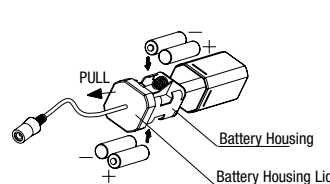
4.6 Battery Assembly

- Remove lid from battery housing, insert Alkaline AA (1.5V) Battery as shown (Fig. 4.6.1) and put it back.
- Plug in battery connector cable and place battery housing into control box. Close right cover (Fig 4.6.2).

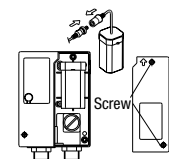
4.7 Install Faucet (Fig. 4.7)

- Insert faucet shaft and sensor cable into basin opening.
- Put fixation washer over faucet shaft and cable.
- Fix faucet firmly with fixation nut.

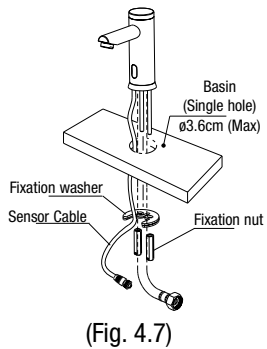
4.8 Connect Water and Sensor (Fig 4.8.1 & 4.8.2)



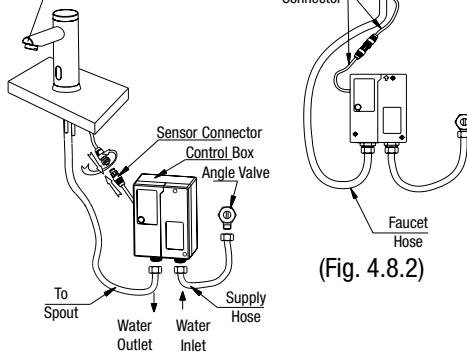
(Fig. 4.6.1)



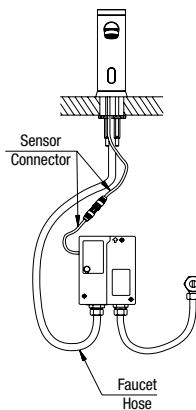
(Fig. 4.6.2)



For marking of taps intended for the supply of tempered water only, consult the relevant regulatory body.



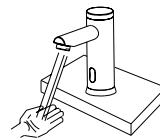
(Fig. 4.8.1)



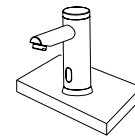
(Fig. 4.8.2)

Recommendation: If intended to be installed with tempered water, the sensor tap must be installed with a Zip Thermostatic Mixing Valve or similar product and in accordance with local authority guidelines.

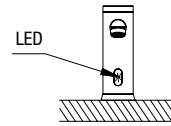
5. OPERATION:



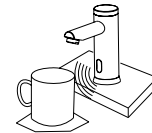
(1) Place hand under faucet, water will flow automatically. Sensing range will be adjusted automatically in 3 seconds after power up.



(2) Remove hand, water will stop automatically within 0.5~1 sec.



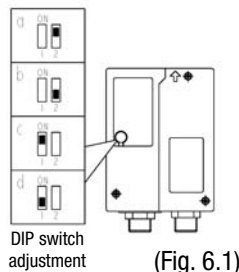
(3) The LED will be on for 1 second after detection. Detection and still working, but LED flashes which signals "low voltage"



(4) With the security setting to be off after 45 seconds and detection range set dynamically, the water will stop flowing after 1 minute. (Refer to 6.1)

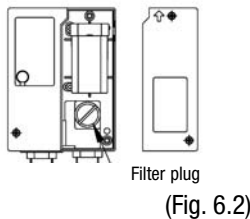
6. ADJUSTMENTS AND MAINTENANCE:

- 6.1 Sensing range adjustment (Fig. 6.1)
- Remove rubber plug and set switch to Position a. Security off after 45 seconds. Position b. Security off after 3 seconds. Position c. Detection Range - Dynamically. Position d. detection Range Fixed.
 - Sensing range will be reset after power up.



(Fig. 6.1)

- 6.2 Cleaning Filter (Fig. 6.2)
- Filter should be checked regularly.
- Remove right control box cover.
 - Shut-off water supply at angle valve.
 - Remove filter plug and filter, then wash thoroughly and re-assemble.
 - Turn on water supply.



(Fig. 6.2)

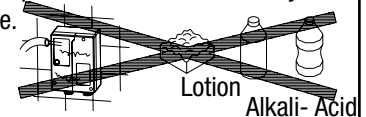
- 6.3 Replace Battery
- When the battery is low, the LED will indicate it by constant blinking. Replace as per Fig. 4.6. Use Alkaline AA (1.5V) batteries only!

7. CLEANING INSTRUCTIONS:

- Use soft, dry or damp cloth only to clean the control box, sensor window and faucet. Do not use any abrasive material, chemicals and excessive water to clean the unit, as this may damage the plated finish and the sensor.

8. PRECAUTIONS:

- Keep control box safe from impact as this may lead to damage.
- Ensure that the sensor is not damaged or scratched through impact.
- The sensor and control box should be kept dry.
- Ensure that the sensor is not blocked or disturbed by any object within its detection range and that no strong light source is aimed directly at it.
- Never use chemicals to clean the unit. Use only soap and soft cloth.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.



9. TROUBLE SHOOTING (FOR QUALIFIED ELECTRICIAN USE ONLY) :

(1) The LED is not on, no water flows.

Problem	Solution	
a. Detection range is too short	Refer to 6.1 for adjustment instructions	
b. Battery connection loose	Re-connect	
c. No power supply	No battery	Connect battery as per Fig. 4.6
	Low battery	Exchange battery as per 6.3
d. Circuit board is faulty	Do not attempt repair, contact your dealer	

(2) The LED is on, no water flows.

Problem	Solution
a. Filter is clogged	Clean as per 6.2
b. Solenoid connector is loose	Connect it properly
c. Solenoid valve is faulty	Do not attempt repair, contact your dealer.

Warranty Information

Certain warranties may be implied by law into your contract with Zip. The warranty provided below is additional to these implied warranties and nothing set out below shall limit your statutory rights or rights at law.

Zip Heaters (Aust) Pty Ltd warrants that, should any part fail within 12 calendar months of installation (*excluding batteries), that part will be repaired or replaced free of charge by Zip or its Distributor or Service Provider, except as set out below, provided the appliance is installed and used strictly in accordance with the instructions supplied, and that failure is not due to accident, misuse, abuse, unsuitable water conditions, or to any alteration, modification or repair by any party not expressly nominated by Zip. Zip shall be the sole arbiter of whether there is a part failure intended to be covered by this warranty.

No costs are payable by you other than any mileage or travelling-time charges incurred by a Zip Service Provider or the cost of removal, cartage and re-installation of any component of the appliance if it needs to be returned for repair to Zip or its Distributor.

This warranty does not cover damage resulting from non-operation of the appliance, the use of non authorised parts or consequential damage to any other goods, furnishings or property.

Zip does not exclude, restrict or modify any liability that cannot be excluded, restricted or modified or which cannot, except to a limited extent, be excluded, restricted or modified as between the owner or user and Zip under the laws applicable.

Furthermore, this warranty does not displace any statutory warranty, but, to the extent to which Zip is entitled to do so, the liability of Zip under any statutory warranty will be limited at Zip's option to the replacement of the appliance or supply of equivalent appliance, the payment of the cost of replacing the appliance or acquiring an equivalent appliance, or the payment of the cost of having the appliance repaired or the repair of the appliance.

* Batteries are covered by a 90 day, parts only, warranty.

Note: As Zip policy is one of continuous product improvement, changes to specifications may be made without prior notice. Images in this booklet have been modified and may not be true representations of the finished goods

Registering Your Purchase

Registering your Zip installation on the Zip website may help to establish date of installation should it become necessary to service the appliance under terms of the Zip warranty.

To register your installation go to www.zipheaters.com and look under the heading "Warranty".

Head Office

Zip Heaters (Aust) Pty. Ltd.
ABN: 46 000 578 727
67 Allingham Street
Condell Park NSW 2200
Postal: Locked Bag 80
Bankstown 1885 Australia

Website: www.zipheaters.com
Email: sales@zipheaters.com
Facsimile: (02) 9796 3858
Telephone: (02) 9796 3100
Free Call: 1 800 638 633



The term Zip is a registered trade mark.



The use of this crossed out wheeled bin logo indicates that this product needs to be disposed of separately to any other household waste.

Within each of the European Union member countries, provisions have been made for the collection and recycling of unwanted electrical and electronic equipment. Outside of the EU it will be necessary to dispose of this product at your local community waste collection or recycling centre.

In order to help preserve our environment we ask that you dispose of this product correctly. Please contact your local city council for collection centre details