

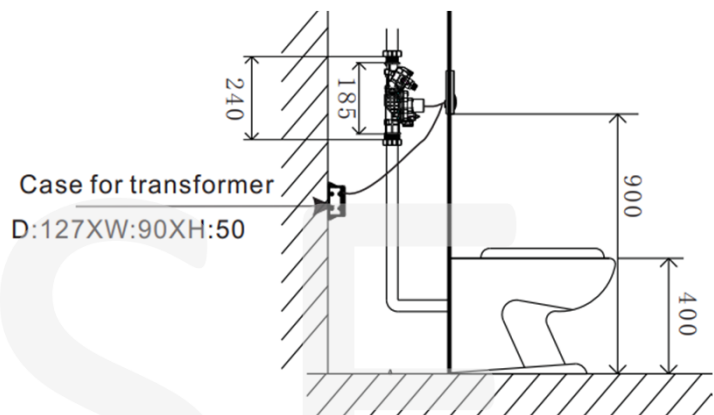
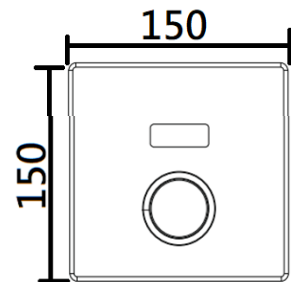
## SANITARY WARE SPECIFICATION SHEET

Model: C501DAA (F)

Descriptions: Rene(PRC) Stainless steel 4.5L~7.5L adjustable automatic toilet IR sensor direct flush valve with manual button for sea water operation & 24 hours auto starts function, auto flushing after 3 seconds when the user moves away, 220V AC Supply

Dimensions: L150 x W150 x H139mm  
 Manufacturer: Rene(PRC)

Material : Stainless steel  
 Finish : Satin



Description:  
 Sensor flush valve for WC sea water application (AC operated) (with manual button)  
 Water Inlet Diameter: 1" inlet and 1 1/4" outlet  
 Water pressure range: 0.05 ~ 1Mpa  
 Power Supply Voltage: AC 220V  
 Electricity Consumption: Stand by <= 0.05mW;  
 Action <= 5W (15ms)  
 Environment temperature: 1~ 55°C  
 Flushing volume: Full flush : 4.5L – 7.5L or above , adjustable

Features:

- \* Concealed/wall/duct type installation: Stainless steel casing and cover plate.
- \* Fully automatic with IR sensor + manual button.
- \* Build-in stop valve allows water to be adjusted and turned off as desired.
- \* Separated build-in strainer for easy clean up and maintenance.
- \* Adjustable flushing time and sensing distance.
- \* Full Flush function by sensor or manual button.
- \* Plastic valve for sea water operation.
- \* Auto flushing after 3 seconds when the user moves away.

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



**Ka Shing Enterprise (H.K.) Ltd.**

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水務署  
Water Supplies Department

總部 Headquarters

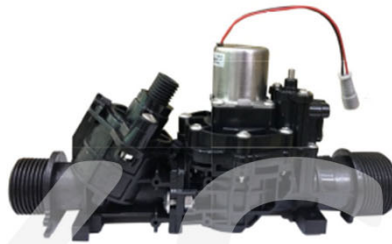
香港灣仔告士打道七號入境事務大樓 48 樓

48/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

本署檔號 : (2) in WSD 3321/2023 T/J(924/2023)  
Our ref.  
來函檔號 :  
Your ref.

電話 :  
Tel.  
傳真 : 2824 0578  
Fax.

27 October 2023



C501XXX

Approval of "RENÉ" Sensor Flush Valve  
(General Acceptance No. C20230797F)

Your E-Application [file-id: ETJ-GA-20230912-118] dated 12 September 2023 and subsequent submission received by this department on 29 September 2023 refer.

Having considered the test report ref. RDCA060 issued on 6 September 2023 by Ideal Test Consultants Ltd., 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:** Dreyer  
**Country of Origin:** the Mainland of China  
**Brand:** RENÉ  
**Details of Fitting:** 1¼" Sensor flush valve for WC  
**Model:** C501XXX  
(where "XXX" denote the various installation methods)  
**Body Markings:** **RENÉ**

**Expiry Date:** 3 September 2028

**Proviso:** As the fitting has not been tested for use in contact with water intended for human consumption, the fitting can only be used in flushing water plumbing systems.

This Authority hereby permits the use of the above fitting in flushing 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-

"Installation of filter before flushing valve is required. Without the filter, the flushing valve is liable to leak. The installed filter need frequent inspection and cleaning to maintain flushing supply. Normally only public toilets with good management system for maintenance would be considered."

"A stop cock or gate valve must be installed at the upstream of the fitting for manual isolation of water supply."

"The design flushing volume of the flushing valve should be compatible with the toilet bowl to ensure that effective clearance can be achieved by a single flush of water."

"Flushing valve should be used within the range of working pressures specified by the manufacturer." AND

"Installation of electronic opening and closing sanitary tapware should also comply with the requirements of Electrical & Mechanical Services Department."

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 flushing water plumbing systems.

For the use of the fitting in any project, the General Acceptance Number 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 Winnie LO at tel. no. 3583 4086.

Yours faithfully,



(Terry KUNG)

for Director of Water Supplies

Encl.

c.c. WSD 3321/1/82 ] - without catalogue  
ME/MC ] - with soft copy only

## WC Sensor, Job Reference in HK

### Project Names

Wan Chai Market, WC Sensor

ASD, Glenealy Road PT- Square-

Boundary St. Sport Centre,

ASD, The Peak Tower

TST Museum of History,

Pofulam Village PT Block A-

ASD Anchor St. Playground PT & Changing Room-

Police Headquarter (Admiralty) 26F- West

ASD RFM808 Refurbishment to Toilet and Resting Area at HK Museum of History, TST

HK Museum of Arts, TST,

Causeway Bay Sports Ground-

QE Sports Stadium-

Temporary Refuse Collection Point & PT at GLA-HK 668, In Ku Lane & Sai Ying Pun

Southorn Centre Playground

Housing A. He Ping Market, Sheung Shui

ASD TCM941 Quarter No. 8 Shek Tau St. Kweai Chung,

ASD TCM 941, Kwai Shung St.

Kai Tai Cruise Terminal -CH- Sunp.D750DDA- Dual Flush

ASD TCM941 Cheung Fai Road, Tsing Yi,

ASD TCM931, Shung Yan St, Nagau Tau Kok Market,

Tsuen Wan Market, C501DAB (F)

Smithfield Road PT- C501LBA (F)-



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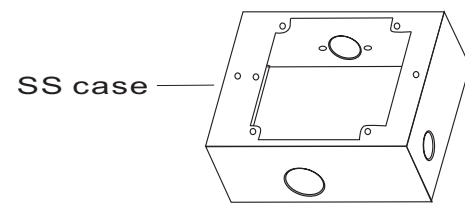
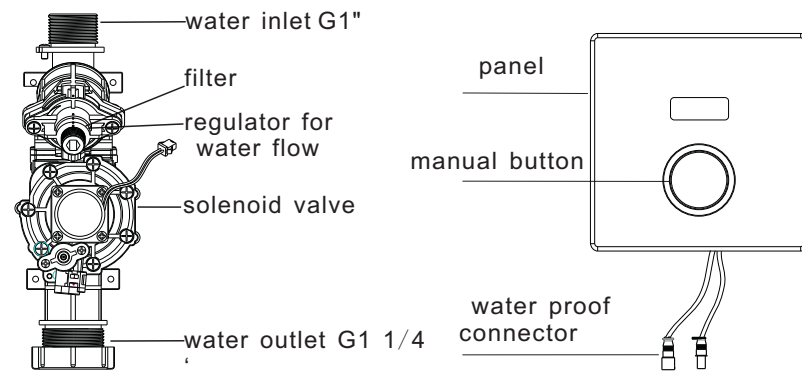
E/ project@kashingehk.com

W/ <https://www.kashingehk.com/>

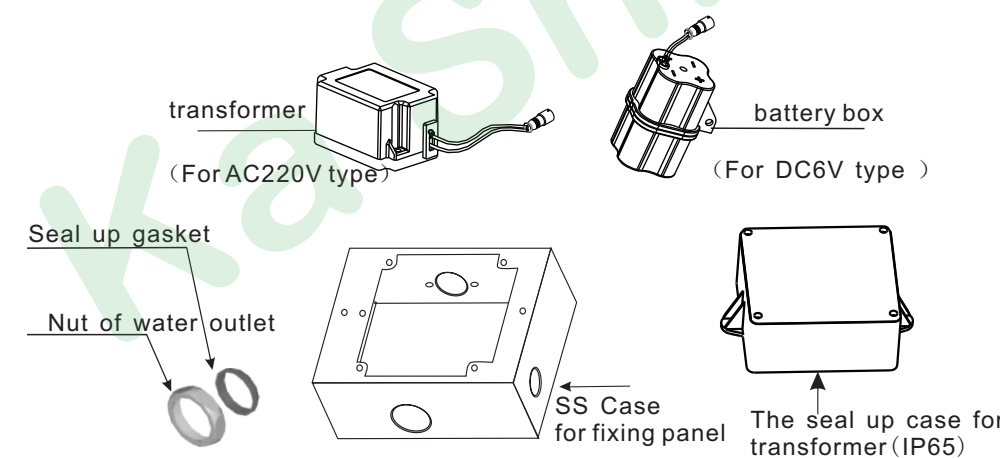
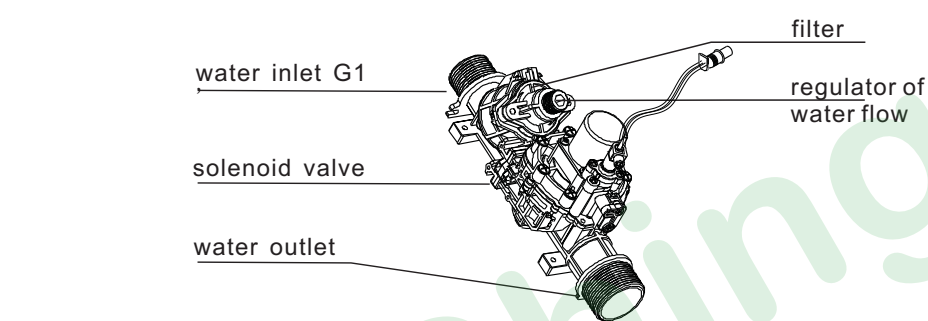
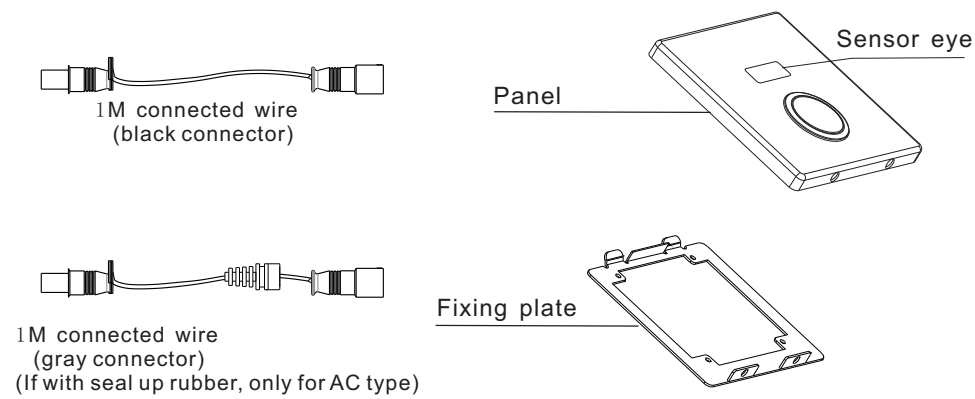


In order to make sure in good installation, please refer to the below information:

一. Structure the picture only for reference, please in kind prevail



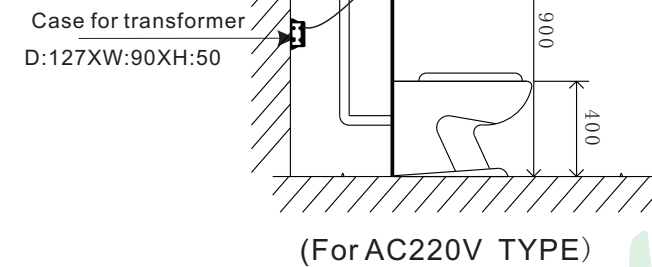
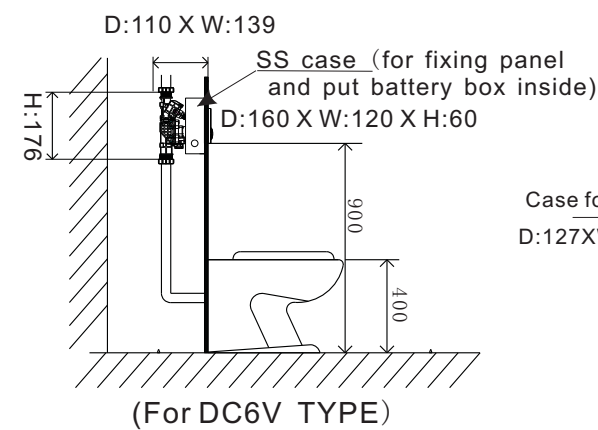
二. The exploding drawing



三. The steps of installation

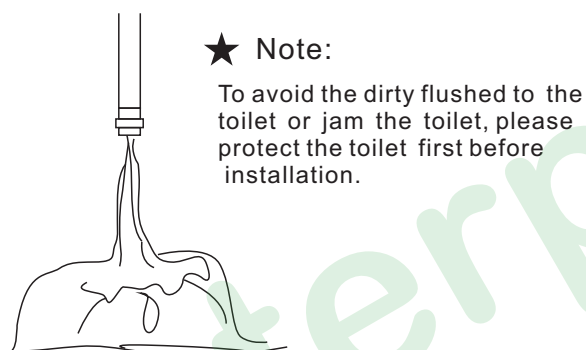
★ Note: in order to make the maintenance and repairing easier, please to install an angle valve first before installing this product.

〈一〉 Reserve the position for the installation (refer to below installing drawing)

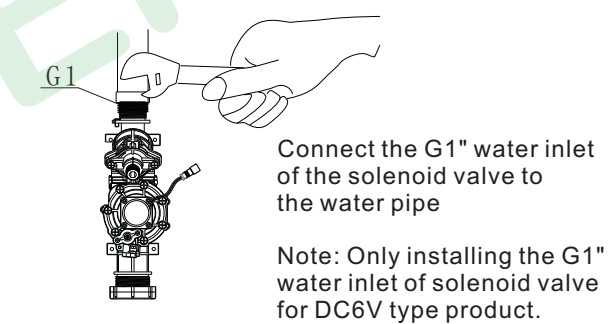


〈二〉 . Connect the solenoid valve to the water pipe (refer to below drawing)

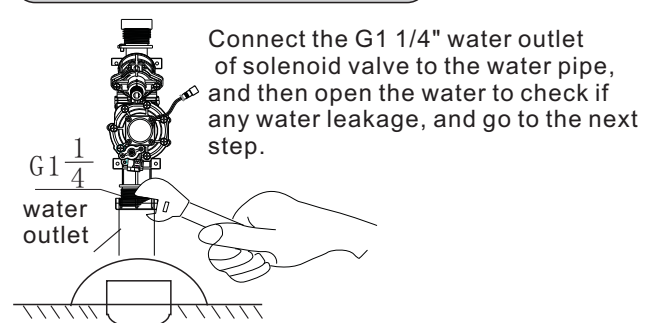
Flush the water pipe



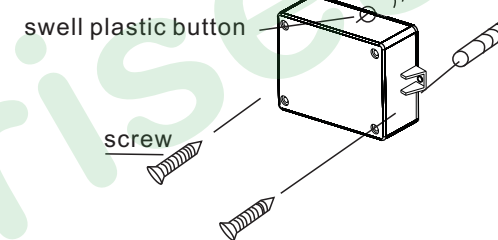
2. Installation of the solenoid valve



3. Installation of water outlet of the solenoid valve



4. Installation of case for the transformer (waterproof, IP65)



- To make a fixing hole to mount this case.
- Use the  $\phi 8\text{mm}$  drill tool to make a hole, and fix the case on the wall by swell plastic button and screw.

Note: no this step for DC6V type.

★ 5. Connect the electronic wire

A: For AC220V TYPE

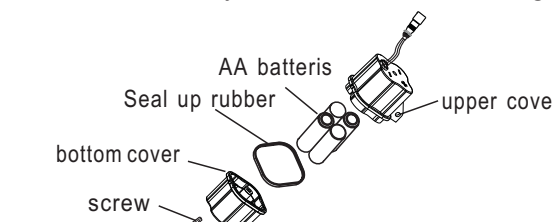
- The red wire connector to the wire of AC220V in the white case.

★ Note: wrapped in insulating tape of the wire joint.

- Connect to the power

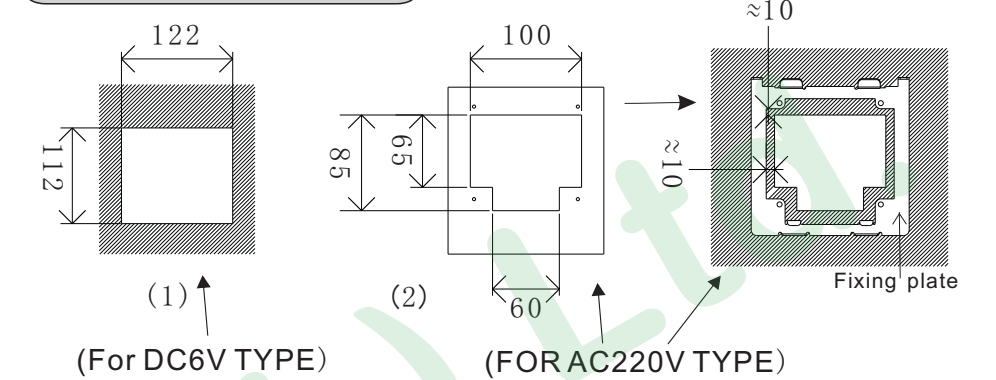
B: For DC6V TYPE

The DC6V need to put the AA batteris inside the battery box, see below drawing.



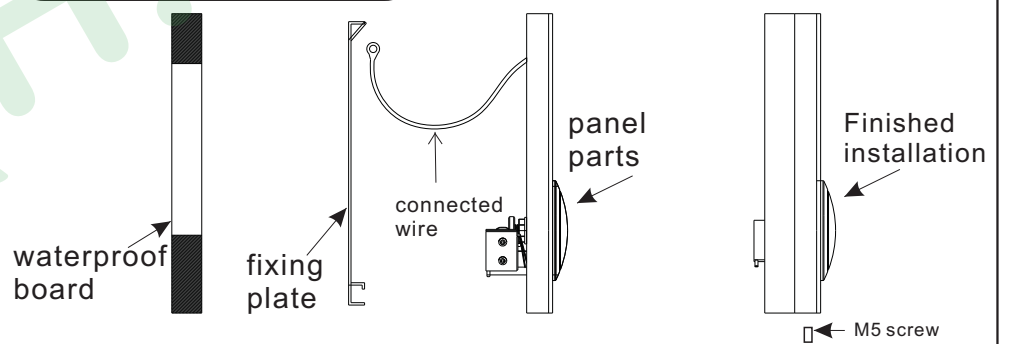
- Please following the "+" or "-" to put the AA batteries inside the battery box by the corrected direction.
- Please don't mix the new and old batteries.
- Use the AA alkaline batteries.

6. Open a hole of the wall

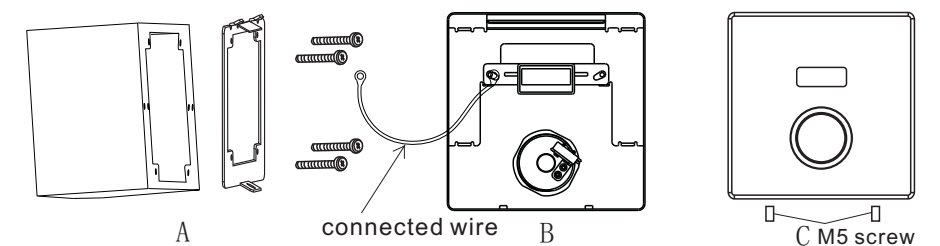


- For DC6V type, fix the height of the wall (waterproof board) and drill a hole for fixing the fixing plate, see above drawing (1).
- For AC220V type, make a position for fours holes by according to the size of fixed-board, refer to the drawing (2).

Installation of panel parts 1. (For AC220V TYPE)

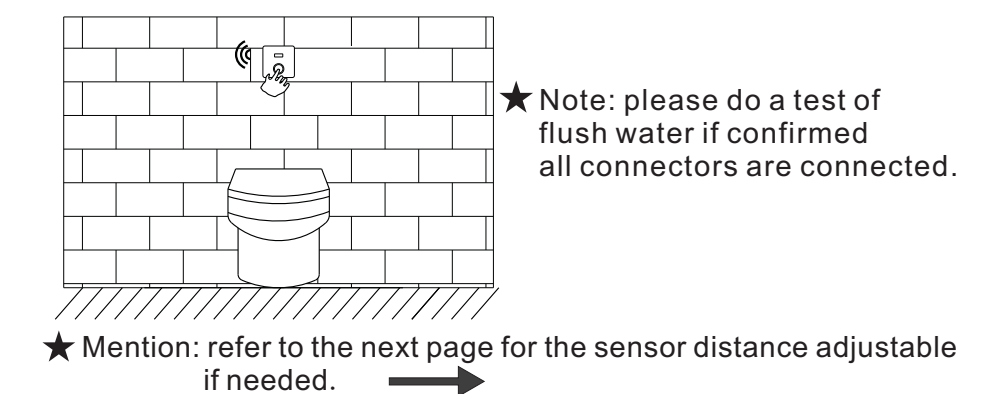


- For AC220V type: make a position for fours holes to the fixing plate, refer to the drawing (2).
  - Put the fixing plate to the hole which on waterproof board, lock the four screws, and one of the screws should be connected by a yellow&green wire.
  - connect the solenoid valve, sensor eye, power together, and then fix the panel by two M5 screws.
- For DC6V type:
  - Use the M4\*40 screw to fix the fixing plate to the SS case (the battery box is inside), and one of the screws should be connect with the yellow and green wire, refer to below drawing A:



- 2.2 After installed the transformer, connected all the connectors, and then use the picture B hung to the fixing plate of A, and then fixed the panel by M5 screw as C.

8. Installation finished.



Thanks for purchasing our products. We believe you'll be satisfied with your selection. From now on you are our esteemed customer and we are willing to provide you with excellent service any time at your convenience.

Please follow our suggestion when you install and use this products.

## I. Functions and Features

Our automatic toilet flusher is delicately designed and made with high-tech property according to infrared induction principle, which displays a new space for induction technology. The product features is following:

1. Intelligent control: Automatically distinguish whether people use the device or not, and then work accordingly.
2. Automatic working: Automatic flush if only people is in the sensing range.
3. Hygienic: Non-contact to avoid the cross infection avoided.
4. Adaptability: available for school, office building, hospital, airport and so on.
5. Manual function: press the button to clean toilet become more easily and quickly.
6. Power supply: AC220V type or DC6V type (use AA alkaline battery)

## II. Specifications

Model	AC TYPE	DC TYPE
Power supply voltage	AC220V	DC6V
Electricity consumption	Work: ≤5W; Idle state: ≤3W(standby)	Idle state: ≤0.5mW(standby)
Water supply bore	Water inlet: G 1", water outlet: G 1 1/4"	
Water pressure	0.05~1MPa	
Ambient temperature	1~55°C	
relative humidity of environment	≤93.3%	
Water temperature	≤45°C	
Sensing flush time	Active after sensing 3S' sensing and begin to flush after people leave 3S, sensing time less than 2mins, flushing time is 3S, sensing time over 2mins, the flushing time is 6S (flushing time: 1-20cm adjustable for full flushing time)	
Manual function	Flush time is 6S	
Sense distance	Default: 65±5cm (30-80cm adjustable, tests with "297mm×297mm" white card)	
Flushing volume	Dynamic water pressure 0.1MPa±0.01MPa Full Flush model comes into single toilet flusher mode: ≤8L/ time adjustable (built-in regulation valve)	

## III. Usage Instruction

### (1) Using guidance:

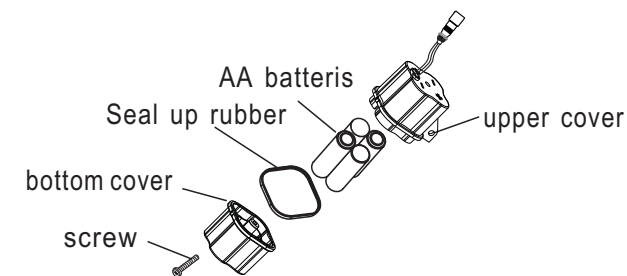
When the people come to use in front of the device, the toilet flusher will distinguish automatically he/she will use the device or not. It will active when sensing time is over 3 seconds, and it will flush water if the people leaves after 3 seconds. It will flush once every 24 hours without being used. (pressing the manual button that the toilet can be cleaned also.)

### (2) warning

1. please don't install the device towards the stainless steel wall and avoid the high-strength reflection.
2. Please clean the sensor eye in time to avoid the bad induction effect.
3. Please clean the filter if you find the outlet volume isn't large enough.
4. If you find no induction or the connection is not so good for AC220V TYPE, please turn off the power supply and ask the electrician to check the wire.

### (3) For DC6V TYPE

If the batteries are run out, please replace the batteries by following below drawing:



1. Please following the "+" or "-" to put the AA batteries inside the battery box by the corrected direction.
2. Please don't mix the new and old batteries.
3. Use the AA alkaline batteries only.

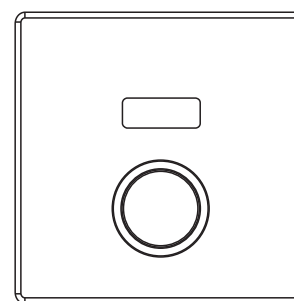
## IV. Function adjustable

### (A) Sensor distance adjustable

The sensor distance can be adjusted by a remote control.

### (B) Indicator light of sensor eye

1. Within 2mins when connect to the power, sensor eye is turn on all the time, after 2mins, the sensor eye will flush one time if sensing, won't be turn on all the time.
2. Low voltage indication: for DC6V, if the voltage is going to run out, the sensor eye will flash red green light 1 time during every 6 seconds, please replace the batteries.
3. Low voltage protection: for DC6V, if the voltage is run out, and the light flash 2 times in every 6 seconds, that means you have to replace the batteries at once.



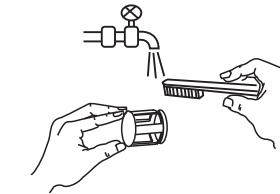
## V. Maintenance and note:

### (1) Clean



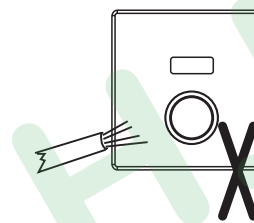
If you feel something on the surface of sensor eye will influence the function, clean the sensor eye first.

### (2) Clean the filter



Close the angle valve, and use a spanner to loose the cover of filter, and then take the filter out and clean it.

### (3) To flush by water is forbidden)



Because inside the panel, there are some PCB inside.

### (4) Do not use the acrid cleaner



It should be kept away from sulphate acid, hydrochloric acid, hydrochloric acid or other kinds of caustic agents.

## VI. Simple-trouble shooting

Please check and do as the following instruction when the following phenomenon happens.

Trouble	Cause	Check and Analyze	Trouble locating
No water flow	A bnormal power	Check whether there is normal power supply for the sensor or not	Connect power supply or replace batteries
	Abnormal water	Check the water supply	Turn on the water supply switch
	Bad contact of the connector	Check whether it is loose or not	Insert tightly again
	The induction distance adjustment is too long	Check whether it is adjusted or not	Adjust the potentiometer anticlockwise
	Filter is stopped		Rinse the filter
Water flow doesn't stop	There is outer matter on the inductor		Clean the plastic membrane
Too little water flow	There is something stopping the filter		Clean the filter
	Adjustment too little		Adjust the regulation valve anticlockwise

Please refer to above simple trouble shooting when the problem caused to the product, if still can not solve the problem, please contact the distributor directly.

## MODEL: C501DAA(F)/C501DAB(F)