

IMPORTANT SAFETY INFORMATION

Products supplied by Venus Technology are safe and without risk provided that they are installed, used and maintained in correct and good working order in accordance with our instructions and recommendations.

The precautions noted with this guide are intended to instruct you in the safe and correct use of the products and to prevent injuries and damage to yourself, others and property.

Please read this instruction manual and ensure that you understand them before installing or operating the products.

Installation is to be done by professional technicians.

DISCLAIMER

While every effort has been made to ensure that the information contained in this manual is accurate and complete, no liability can be accepted for any errors or omissions. Venus Technology reserves the rights to change the specifications of the products and function described herein at any time without prior notice.

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AWS[®]

Advanced Water Systems

INSTALLATION INSTRUCTION

AWS UR-511-IR

WALL HUNG INTEGRATED
URINAL BOWL c/w URINAL SENSOR
FLUSH VALVE (battery operated)



Practical Systems & Supplies Pte Ltd

1002 Toa Payoh Industrial Park #06-1465
Singapore 319074

AWS UR-511-IR

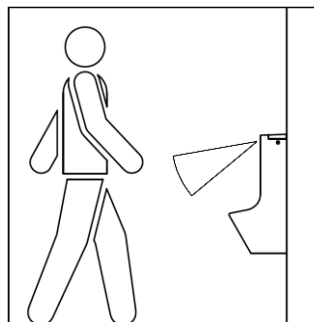
WALL HUNG INTERGRATED

URINAL BOWL c/w URINAL SENSOR FLUSH VALVE (battery operated)

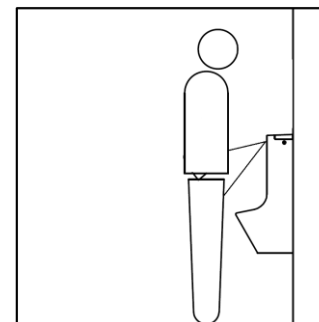
TROUBLE SHOOTING GUIDE**NORMAL OPERATION**

Red blinking light indicates user detection which stops after 5 blinks. System in standby mode and flushing begins when person is no longer within the set sensing distance range.

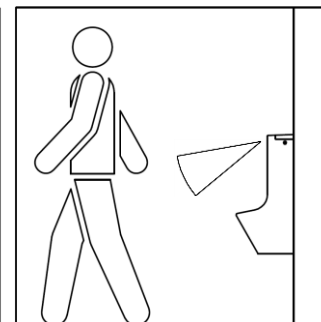
PROBLEM	CAUSE	PHENOMENON	REMEDY
Non-stop discharging	Control circuit failure ; Broken fitting;	Non-stop and leaking outside	Disconnect circuit from solenoid valve to stop flow; Replace sensor unit: check discharging volume control* Stop water supply by turning the dynamic flow pressure clockwise; Disassemble valve, check and clean plunger and diaphragm.
Quick stop on flushing	Very high pressure; Control timing is very short		Check the dynamic flow pressure; Adjust screw set on top of the flush valve cap. Adjust discharging volume setting ;
Slow stop on flushing	Inlet jammed; Stop valve filter stuck; Control timing is too long	Leaking outside	Check inlet; Shut off water from inlet, take out and clean stop valve; Adjust control timing setting
No flush	Inlet blocked ; Power supply failure ; Stop valve closed tightly Sensor is not in stand-by mode No water supply Sensor eye unit is defective	No water in pipe ; Circuit not working Person is within the set sensing distance range	Check inlet condition ; Check battery and control circuit ; Ensure that the person moves away after red light is on. wait for 5 ~ 6 sec when light change from steady to blink Check water supply or ensure that stop valve is open. Replace sensor unit
Sensor light is off	Power supply failure ; Sensing distance is too short; Sensor eye unit is defective		Check battery holder, connections, power. Adjust sensing distance** Replace sensor unit
Manual push button pressed long time, water flushing short time	Micro switch activate ;		Adjust discharging timing setting (same as quick stop flushing) ;

OPERATING PROCEDURE**URINAL SENSOR FLUSHING SYSTEM**

1. Time delay of **5 - 6 sec** feature prevents false operation.



2. System on standby once a person is detected.



3. Flushing begins when a person moves away.

PERFORMANCE AND PARAMETERS

Features	Manual override function. Fuzzy logic water saving functions. Diagnostic functions. Integrated sensor activation urinal
Power Supply	DC Model : 4 x 6V AA Size Alkaline Dry Battery (Est. 100 usage / Day / Year) **Check Battery Regularly
Sensing Range	500 ~ 700mm
Operation	The user is detected by an infra-red sensor & urinal is flushed immediately upon departure.
Water Temperature	1 – 45 degrees
Solenoid Valve Voltage	AC Operated : DC 4.5V Battery Operated: DC 6V
Discharge Volume	1.0 Litre / flush (2 ticks) , 0.4 Litre / flush (3 ticks)
Size	1/2" BSPT inlet
Pressure range	0.5 – 6.0 bar (Maximum) 1.0 – 4.0 bar (Preferred)

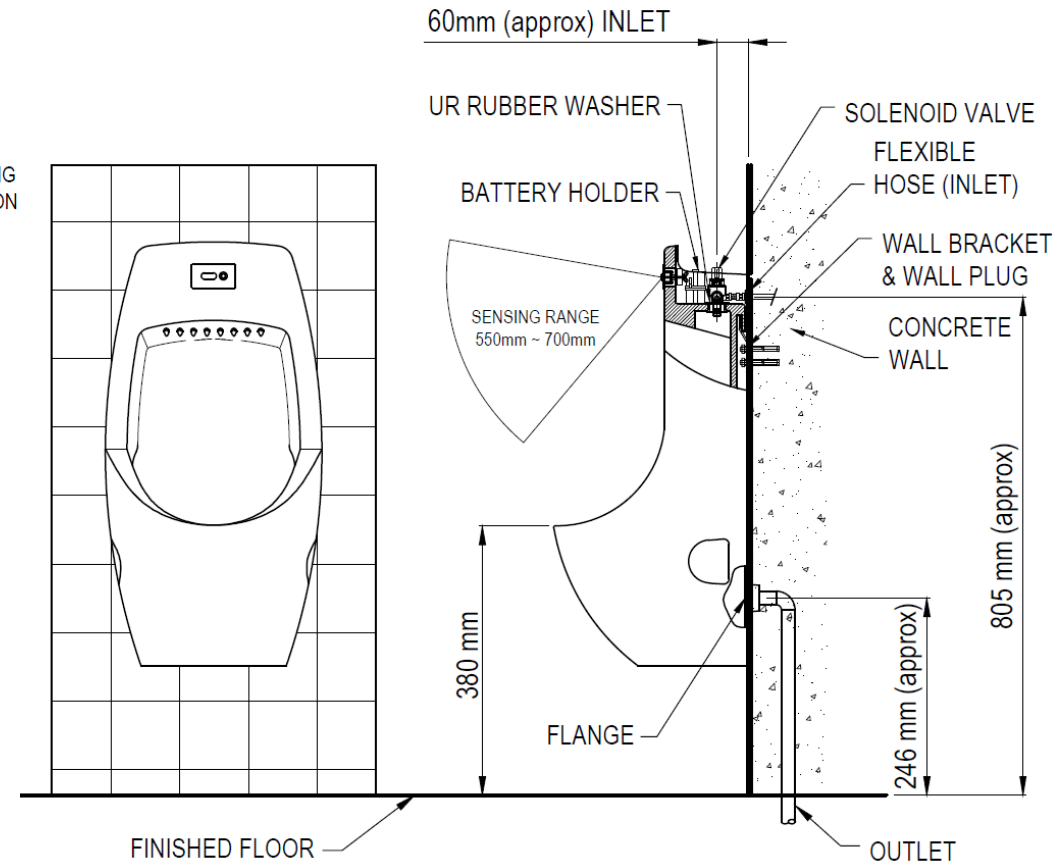
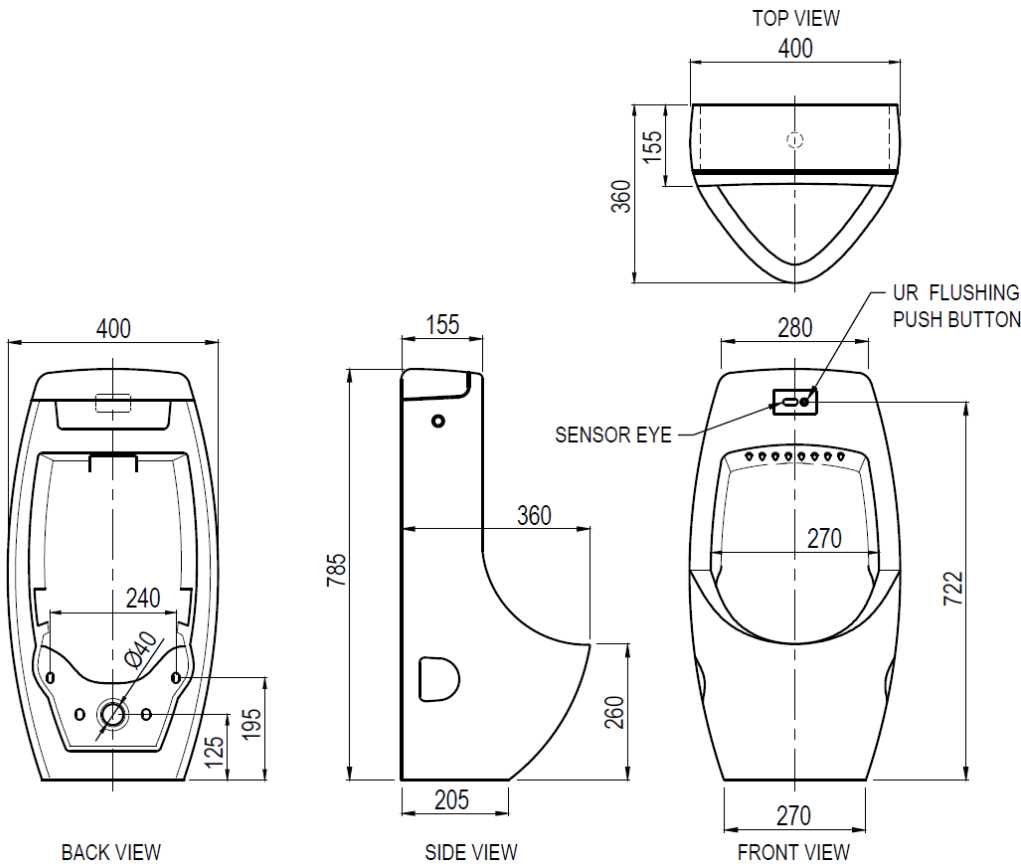
NOTE: Flush valve is not suitable for acidic water condition.

AWS UR-511-IR
Product Dimension

INSTALLATION DIAGRAMS

(Items shown are illustrations only,
and therefore may not reflect actual model supplied)

**PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE DOING
ANY INSTALLATION**



ALL DIMENSIONS ARE IN MM (+ / - tolerance)

AWS UR-511-IR
PACKING LIST

ITEM	PICTURE	DESCRIPTION	QTY
1		WALL HUNG INTEGRATED URINAL SENSOR	1 PC
2		SIEVE	1 PC
3		WALL HUNG BRACKETS WITH BOTS AND NUTS	1 SET
4		URINAL ACCESSORIES (GASKET SET) Urinal Flange, Gasket, Rubber Bush & Screw set	1 SET
5		BATTERY HOLDER with Battery Pack 4 x 1.5v AA Alkaline	1 SET
6		SOLENOID VALVE & UR RUBBER WASHER (for Urinal Spud)	1 PC
7		FLEXIBLE HOSE (for inlet)	1 PC
8		INSTALLATION INSTRUCTION	1 PC

AWS UR-511-IR
CONNECTION CIRCUIT DIAGRAMS
PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE DOING
ANY CONNECTION

