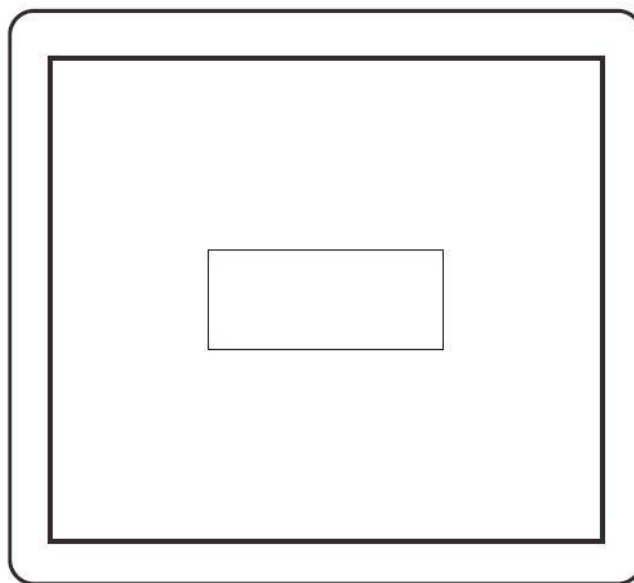




# **INSTALLATION INSTRUCTIONS**

## **Urinal Flush Valve**

**ET3-12**



**Thank you for purchasing this Enviro-Tech product.**

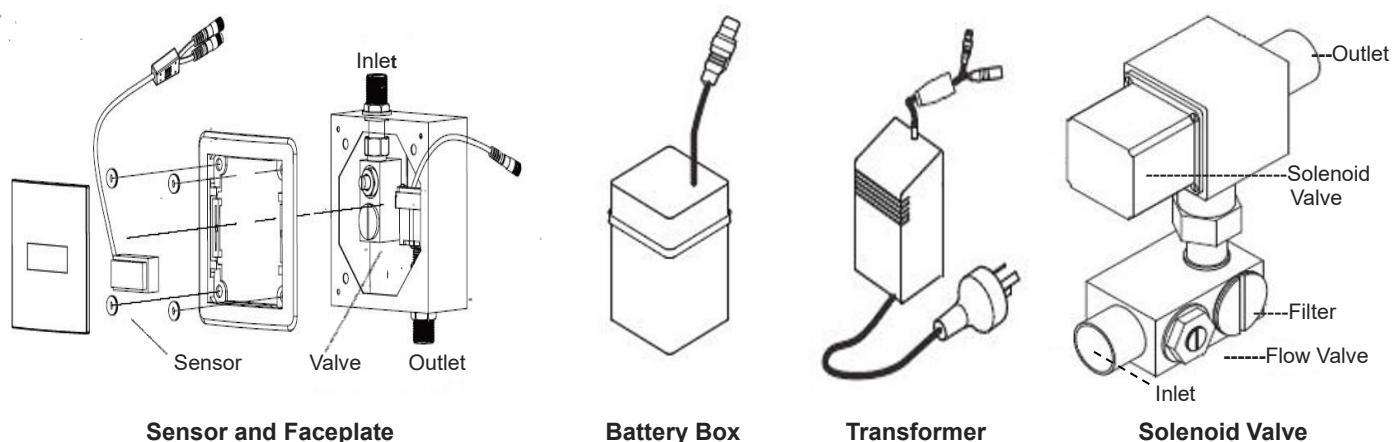


# INSTALLATION INSTRUCTIONS ET-12 URINAL FLUSH VALVE

## TECHNICAL SPECIFICATION

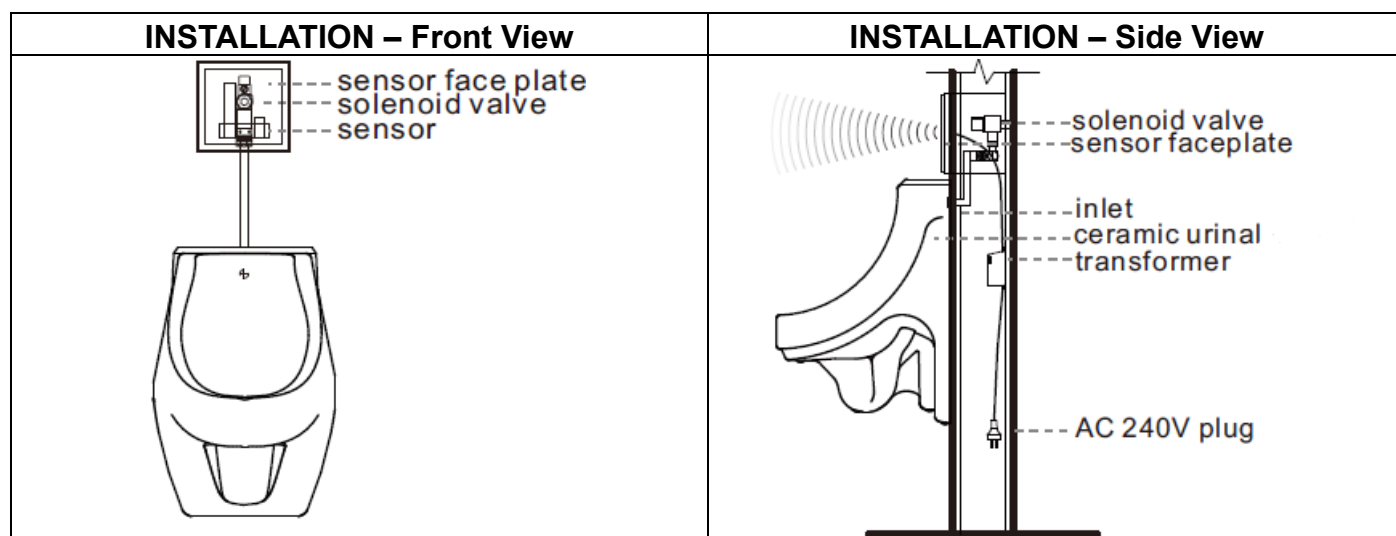
Function	ET3-12
Power Input	DC:6v (4X AA alkaline batteries) AC:220-240V (50/60Hz)
Power Consumption	Static:<4mA; active:<500mA
Water Pressure	100kPa-500kPa Maximum (recommended 350kPa)
Inlet/Outlet Diameter	15mm 1/2G
Detection Zone	750-800mm (Adjustable – see Sensor Adjustment)
Confirmation Time After Use	5 seconds
Flush Time	4 seconds (Adjustable – see Sensor Adjustment)
Reset Time After Flush	10 seconds
Trap Seal Protection	Automatic every 24hrs if not used
Stadium Mode	Pre-flush stops when in frequent use

## COMPONENTS



## PREPARING FOR INSTALLATION

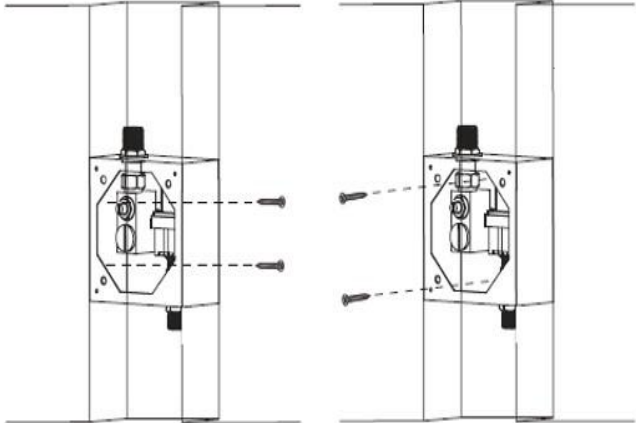
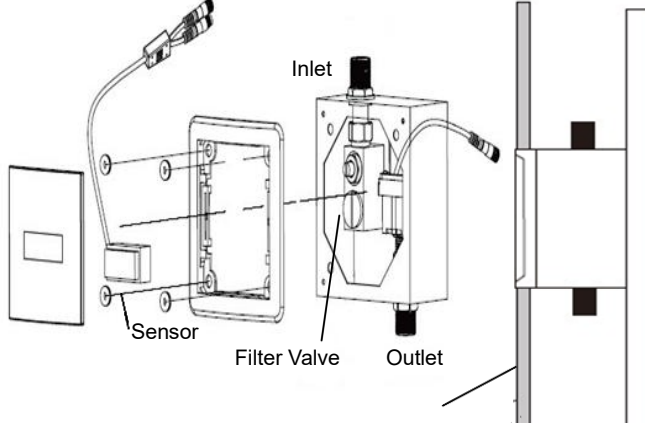
We strongly recommend that you use a qualified and registered plumber and electrician. You must ensure that all pipe work is flushed adequately, particularly in new builds or where lines have been disrupted. Components of sensor products are particularly susceptible to debris and will require more thorough flushing than a standard plumbing fixture. Installation must be in accordance with AS/NZS3500.



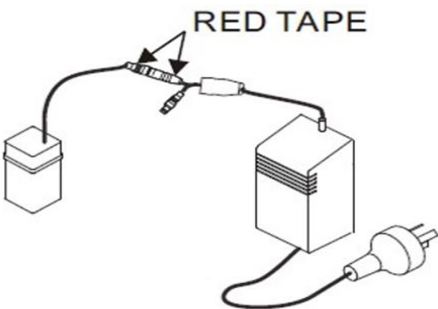
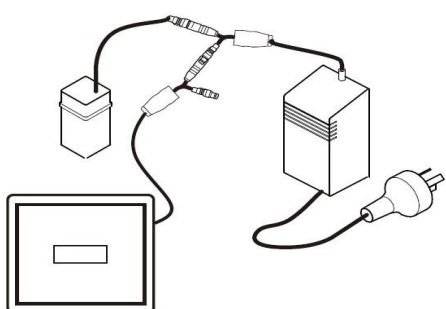
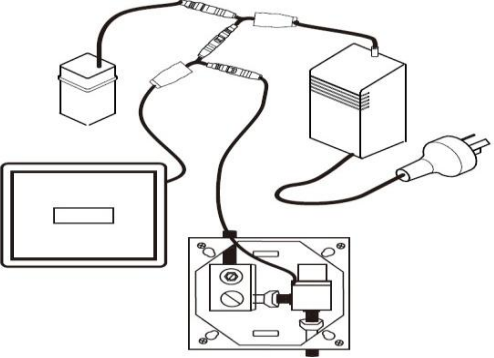
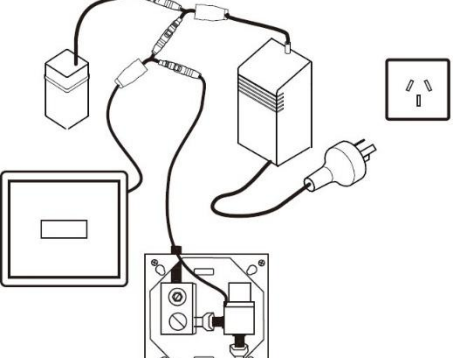
# INSTALLATION STEPS

**IMPORTANT:** Flush valve must be installed vertically. Flush pipe must be DN20 copper pipe or equivalent and must be vertical and straight. DO NOT use flexi-hose and ensure no bends/kinks or horizontal pipework. Please note that - incorrect installation is NOT covered by your warranty

## VALVE BOX INSTALLATION

<p><b>1.</b> Fix control box within wall, can be side or rear fixed. Connect water feed to inlet valve and connect outlet to urinal.</p>	<p><b>2.</b> Attach faceplate to control box – <b><u>MUST</u></b> follow connection order in figs 3-6 below.</p>
 <p>Side Fix                      Rear Fix</p>	 <p>Inlet Sensor Filter Valve Outlet Wall Lining</p>

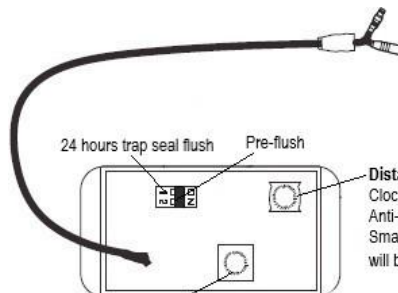
## CABLE CONNECTIONS

<p><b>3.</b> Insert batteries to DC battery box and connect battery box to transformer (if mains powered).</p>	<p><b>4.</b> Connect transformer (or battery box if DC only) to faceplate.</p>
 <p>RED TAPE</p>	
<p><b>5.</b> Connect solenoid valve to faceplate plug</p>	<p><b>6.</b> Connect transformer to power (if using). <b>CONFIRM there is power at the socket.</b></p>
	

## COMMISSIONING OF INSTALLATION

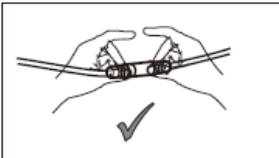
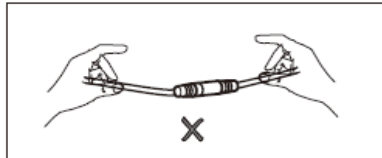
**Once installation is complete** – test flush by activating infrared sensor, collect the flush water in a measuring jug (including pre-flush). The total volume should be less than 1.0ltr. If necessary, adjust flow with flow valve adjuster (next to the inlet). **NOTE:** Total flush volume of 900mls is pre-set at the factory at 350kPa)

# SENSOR ADJUSTMENT

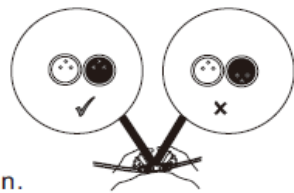


**Distance Adjustment**  
Clockwise to Min.distance.  
Anti-clockwise to Max.distance.  
Small gentle 1/4 turn only - screw will break if treated roughly.

**Time control**  
Anti-clockwise to Min.time.  
Clockwise to Max.time.  
Small gentle 1/4 turn only - screw will break if treated roughly.

**Attention:**  
Hold the plug not the wire to connect and disconnect and make sure the pins align to the holes in the right position.



# TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
No water out or water will not stop running	<p><u>Most common:</u> No water supply or no power. Plugs not connected correctly.</p> <p>Blocked filter or solenoid. Sensor obstructed/dirty.</p>	<ul style="list-style-type: none"> <li>Check water and power supply.</li> <li>NB. If urinal has been working for some time but has suddenly stopped – likely cause is no power. Change batteries and check mains power supply.</li> <li>Unplug all cables, leave unplugged for 5 minutes, then reconnect everything carefully in the correct order. (See cable connection diagrams).</li> </ul> <p>Clean filter. Clean/replace solenoid. Clean Sensor</p>
Too little or too much water flow	<p>Water pressure incorrect. Incorrect water flow.</p> <p>The filter or solenoid is blocked.</p>	<p>Check water pressure (recommended 350kPa) Adjust water flow using flow adjuster valve next to inlet.</p> <p>Clean the filter. Clean/replace the solenoid.</p>
Indicator light is off/flashing	No power – flat batteries or bad connection.	Replace batteries and check connections
Flush time not adequate	Sensor requires adjustment.	See Sensor Adjustment diagram. Care required. Adjustment screw will break if mistreated. <b>NOT covered by your product warranty.</b>

For detailed troubleshooting advice, see the Troubleshooting page of our websites [enviro-tech.com.au](http://enviro-tech.com.au) or [enviro-tech.co.nz](http://enviro-tech.co.nz).



## WARRANTY

This Enviro-Tech product is guaranteed for 12 months from the date of purchase. This is a parts only warranty and Enviro-Tech is not liable for any associated costs incurred in the replacement or repair of any item. For full details of the warranty conditions, see the Warranty page of our websites.

## AFTERCARE

Ensure good water quality is maintained and the filter on the solenoid valve is cleaned out regularly. Failure to do so could result in blocked solenoid/impaired product functionality and may invalidate your product warranty.

This Enviro-Tech product is manufactured strictly to adhere to the ISO9001 standard, WaterMark certification and WELS standards. Enviro-tech reserves the right to update product technology at any time.

### CONTACT INFO:

Australia – 1300 530 883 or [info@enviro-tech.com.au](mailto:info@enviro-tech.com.au). New Zealand - 0800 2 ENVIRO or [info@enviro-tech.co.nz](mailto:info@enviro-tech.co.nz)