



# HWM-Water Wi5 Wireless Utility Monitoring Envirotech User Manual

[Home](#) » [HWM-Water](#) » HWM-Water Wi5 Wireless Utility Monitoring Envirotech User Manual 

HWM-Water Wi5 Wireless Utility Monitoring  
Envirotech User Manual



MAN-567-0011-C



**EN** Safety Warnings and Approvals Information.

This document applies to the following family of devices:

- Wi5 434 MHz GSM (567-001)
- Wi5 169 MHz GSM (567-002)
- Wi5 153 MHz GSM (567-004)
- Wi5 434 MHz Ethernet (567-009)
- Wi5 153 MHz Ethernet (567-011)
- Wi5 169 MHz Ethernet (567-012)
- Wi5D 153 MHz GSM (567-024)
- Wi5D 169 MHz GSM (567-025)
- Wi5D 434 MHz GSM (567-026)
- Wi5D 153 MHz Ethernet (567-027)

- Wi5D 169 MHz Ethernet (567-028)
- Wi5D 434 MHz Ethernet (567-029)
- Wi5D 169 MHz Ethernet (567-030)
- Wi5D 153 MHz GSM (567-031)

## Contents

### [1 SAFETY](#)

### [2 Documents / Resources](#)

#### [2.1 References](#)

### [3 Related Posts](#)

## SAFETY

- Carefully read the information in this document and on the packaging before using the product. Retain all documentation for future reference.
- The equipment is designed for indoor use only.
- Protect the equipment from water. Water ingress may cause damage to equipment, including risk of explosion.
- If the mains-powered adaptor becomes damaged, it must not be used. It must be replaced.
- The equipment contains a lithium battery. Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100°C, incinerate, or expose contents to water.
- CHOKING HAZARD Contains small parts. Keep out of the reach of small children.
- Do not disassemble or modify the equipment, except where detailed instructions are given in the user manual; Follow the instructions within the user manual.

## Use and Handling

- The equipment contains sensitive parts that can be damaged by incorrect handling. Do not throw or drop the equipment or subject it to mechanical shock.
- The equipment must only be serviced or disassembled by the manufacturer or its authorised repair centre.
- Normal operating temperature: 0°C to 40°C. Do not expose to direct sunlight for prolonged periods. Do not mount on apparatus that can exceed this temperature range.
- Do not store above 30°C for prolonged periods.
- Do not handle or carry equipment using cables. This can cause permanent damage and is not covered by warranty.
- When removing cables from the equipment, do not pull the cable; be sure to hold the cable using the connector.
- Remove the mains-powered adaptor from the mains outlet by using the body of the adaptor, not the attached lead.
- Store the equipment in its original packaging.
- The equipment can become damaged by applying heavy loads or forces to it.
- The equipment may be cleaned by use of a soft cloth lightly moistened with a mild cleaning fluid (e.g. a diluted domestic dish-washing liquid). Dry immediately after cleaning using a dry soft cloth. Do not allow liquid, moisture, or small particles to enter the equipment or connector.

## Radiation Exposure Statement

- Wi5 434 MHz GSM (567-001)
- Wi5 169 MHz GSM (567-002)
- Wi5 153 MHz GSM (567-004)
- Wi5D 153 MHz GSM (567-024)
- Wi5D 169 MHz GSM (567-025)
- Wi5D 434 MHz GSM (567-026)
- Wi5D 169 MHz Ethernet (567-030)
- Wi5D 153 MHz GSM (567-031)
- ⚠ This equipment contains a radio transmitter and receiver. Use of antennas and accessories not authorised by HWM may void the compliance of the product and may result in RF exposures beyond the safety limits established for this equipment.
- The equipment should be fixed (mounted) to other equipment during normal operation. When installing and using this product, maintain a 20 cm (or greater) distance between the antenna and the head or body of the user or nearby persons. Attached antenna must not be touched during transmitter operation.

## Battery - Caution Points.

- The equipment contains a rechargeable Lithium Polymer battery.
- In the event of damage to the battery or the equipment, do not handle without appropriate protective clothing.
- Do not attempt to open, crush, heat or set fire to the battery.
- In the event of damage to the battery or equipment, ensure there is no risk of short-circuit whilst handling or shipping. Pack with non-conductive materials that give suitable protection. Refer to sections Waste Electrical and Electronic Equipment and Battery Directive.
- If the battery fluid leaks, stop using the product immediately. If the battery fluid gets onto your clothes, skin, or eyes then rinse the affected area with water and consult a doctor. The fluid can cause injury and blindness.
- Always dispose of batteries in accordance with local laws or requirements.

## Waste Electrical and Electronic Equipment and the Battery Directive



Disposal and recycling: When the equipment or its batteries reach the end of their useful life, they must be disposed of responsibly, according to any applicable country or municipal regulations. Do not dispose of Waste Electrical and Electronic Equipment or batteries as normal domestic waste; they must be taken by the user to a separate waste collection point designated for safe handling and recycling in accordance with local laws.

Waste Electrical and Electronic Equipment and batteries contain materials that, when correctly processed, may be recovered and recycled. Recycling product reduces the need of new raw materials and also reduces the amount of material that is sent for disposal as landfill. Improper handling and disposal can be harmful to your health and the environment. For more information regarding where the equipment can be accepted for recycling, please contact your local authority, recycling center, distributor or visit the website

<http://www.hwmglobal.com/company-documents/>

## Waste Electrical and Electronic Equipment.

HWM-Water Ltd is a registered producer of Electrical and Electronic Equipment in the United Kingdom (registration number WEE/AE0049TZ). Our products fall under category 9 (Monitoring and Control Instruments) of The Waste Electrical and Electronic Equipment Regulations. We take all environmental issues seriously and fully

comply with the requirements for collection, recycling and reporting of waste products. HWM-Water Ltd is responsible for Waste Electrical and Electronic Equipment from customers in the United Kingdom provided that: The equipment was produced by HWM-Water Ltd (Palmer Environmental / Radcom Technologies / Radiotech / ASL Holdings Ltd) and supplied on or after 13th August 2005. or The equipment was supplied before 13th August 2005 and has been directly replaced by HWM-Water Ltd products manufactured since 13th August 2005.



HWM-Water products supplied after 13th August 2005 can be identified by the following symbol:

Under HWM-Water Ltd.'s Terms and Conditions of Sale, customers are responsible for the cost of returning waste electrical and electronic equipment to HWM-Water Ltd and we are responsible for the costs of recycling and reporting on that waste. Instructions for returning Waste Electrical and Electronic Equipment:

1. Ensure that the Waste Electrical and Electronic Equipment meets one of the two conditions above.
2. The waste will need to be returned in accordance with the regulations for transporting equipment with lithium batteries.
  - a. Pack the equipment in strong, rigid outer packaging to protect them from damage.
  - b. Attach a Lithium Warning Label to the package.
  - c. The package must be accompanied by a document (e.g. consignment note) that indicates: i. The package contains lithium metal cells; ii. The package must be handled with care and that a flammability hazard exists if the package is damaged; iii. Special procedures should be followed in the event the package is damaged, to include inspection and repacking if necessary; and iv. A telephone number for additional information.
  - d. Refer to the ADR regulations on shipping dangerous goods by road. Do not transport damaged, defective, or recalled lithium batteries by air. (3) Return the Waste Electrical and Electronic Equipment to HWM-Water Ltd using a licensed waste carrier. In accordance with the regulations, customers outside the United Kingdom are responsible for Waste Electrical and Electronic Equipment.

### The Battery Directive

As a distributor of batteries HWM-Water Ltd will accept old batteries back from customers for disposal, free of charge, in accordance with the Battery Directive. PLEASE NOTE: All lithium batteries (or equipment containing lithium batteries) MUST be packaged and returned in accordance with the relevant regulations for transporting lithium batteries.

A licensed waste carrier must be used for transporting all waste. For more information on Waste Electrical and Electronic Equipment compliance or the Battery Directive please e-mail [CSservice@hwm-water.com](mailto:CSservice@hwm-water.com) or phone +44 (0)1633 489 479

Radio Equipment Directive (2014/53/EU): 1. Radio frequencies and Powers. The frequencies used by the wireless features of this product are in the 153 MHz, 169 MHz, 434 MHz, 700 MHz, 800 MHz, 850 MHz, 900 MHz, 1700 MHz, 1800 MHz, 1900 MHz and 2100 MHz ranges. Wireless frequency band and maximum output power:

- Wi5 (567-001, 567-002, 567-004),
  - Proprietary 153.1 MHz, 169.4 MHz, 433.92MHz : 0mW.  
(Refer to the label on the product supplied).
  - GSM 700/800/850/900/1700/1800/1900/2100 MHz :  
less than 2.25W
- Wi5D (567-026, 567-024, 567-025).
  - Proprietary 153.1 MHz, 169.4 MHz, 433.92MHz : 0mW.

(Refer to the label on the product supplied).

- GSM 800/850/900/1700/1800/1900/2100 MHz :  
less than 2.25W
- Wi5 (567-009, 567-011, 567-012), Wi5D (567-027, 567-028, 567-029).
  - Proprietary 153.1 MHz, 169.4 MHz, 433.92MHz : 0mW.  
(Refer to the label on the product supplied).
- Wi5D (567-030).
  - Proprietary 169.4 MHz : 500mW.
- Wi5D (567-031).
  - Proprietary 153.1 MHz : 500mW.
  - GSM 800/850/900/1700/1800/1900/2100 MHz :  
less than 2.25W

2. Antennas Only antennas supplied by HWM should be used with this product.

#### **Regulatory Compliance Statement:**

Hereby, HWM-Water Ltd declares that this equipment is in compliance with the following: Radio Equipment Directive: 2014/53/EU and the relevant UK Statutory Instruments requirements. A copy of the full text of the UK and EU declarations of conformity is available at the following URL: [www.hwmglobal.com/product-approvals/](http://www.hwmglobal.com/product-approvals/)

#### **FCC Compliance Information:**



Fluid Conservation Systems, 1960 Old Gatesburg Road, Suite 150, State College, PA 16803 T: 1-800-531-5465  
The following product models: Wi5 153 MHz Ethernet (567-011) Wi5D 153 MHz Ethernet (567-027) Comply with the rules, as applicable.

#### **FCC compliance statement:**

- This device complies with Part 15 of the FCC Rules.  
Operation is subject to the following two conditions:
  - (1) This device may not cause harmful interference, and
  - (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

#### **Industry Canada Compliance Statement:**

Wi5 434 MHz Ethernet (567-009)

Wi5 153 MHz Ethernet (567-011)  
Wi5 169 MHz Ethernet (567-012)  
Wi5D 153 MHz Ethernet (567-027)  
Wi5D 169 MHz Ethernet (567-028)  
Wi5D 434 MHz Ethernet (567-029)


This Class A digital apparatus complies with Canadian ICES-003. CAN ICES 003A / NMB 003A



HWM-Water Ltd Ty Coch House Llantarnam Park Way Cwmbran NP44 3AW United Kingdom +44 (0)1633 489479  
[www.hwmglobal.com](http://www.hwmglobal.com)

©HWM-Water Limited. This document is the property of HWM-Water Ltd. and must not be copied or disclosed to a third party without the permission of the company. Copyright reserved.  
Part-Number: PAC0050 Issue C Page 4

## Documents / Resources

	<a href="#">HWM-Water Wi5 Wireless Utility Monitoring Envirotech</a> [pdf] User Manual Wi5 Wireless Utility Monitoring Envirotech, Wi5, Wireless Utility Monitoring Envirotech, Utility Monitoring Envirotech, Monitoring Envirotech
---	---

## References

- [💧 Water.com Bottled Water | Delivery Service](#)
- [📡 HWM | Energy Management, Pressure Control, Data Collection, Environmental Monitoring, Leak Detection.](#)
- [📄 Company Documents](#)
- [📄 Product Approvals](#)