

# invisible **systems**

DELIVERING INFORMATION

Pharmaceutical Compliance &  
Temperature Monitoring

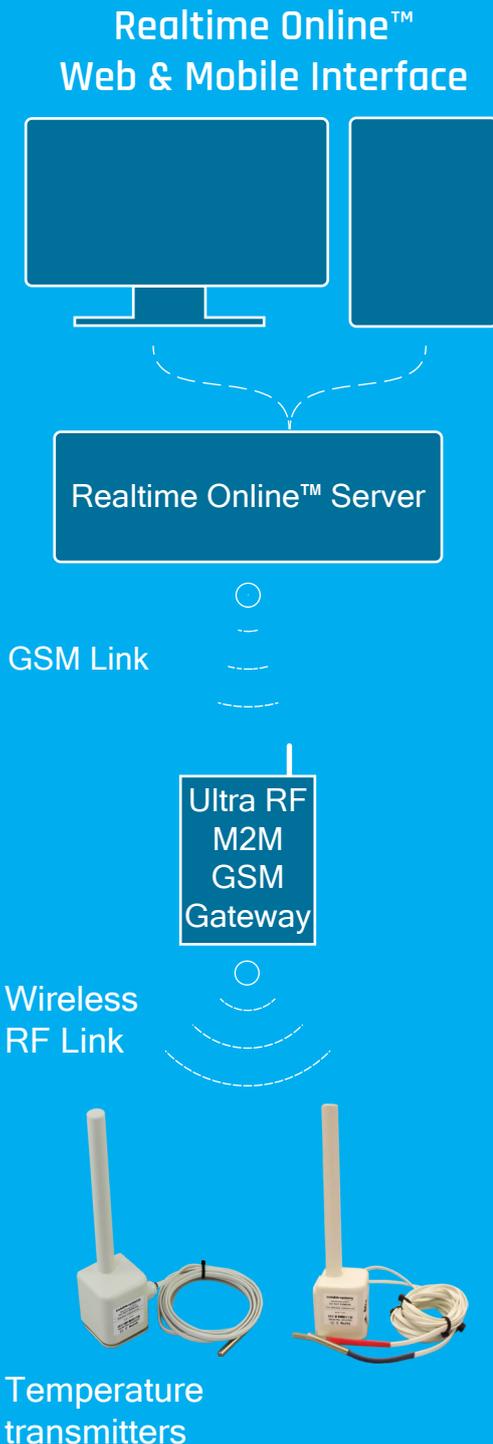
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## System Overview

The Invisible Systems range of wireless transmitters combine local control with remote configuration and monitoring via the Realtime Online™ web interface.

All transmitters link to the web via the new Invisible Systems Ultra RF M2M GSM Gateway, providing standalone access, independent of the client's network infrastructure.



## Real time and comprehensive temperature information

Invisible Systems Realtime Online is a complete system that will meet the guidelines issued by MHRA for Pharmacy Temperature Monitoring, whilst notably reducing the cost of regular conditions testing and compliance reporting that pharmacy fridges are subject to.

Using our continuously improving hardware and software, along with our specialist know-how in compliance monitoring, our system offers efficient and accurate data collection and traceability.

Our simple and easy to install temperature probes and GPRS gateways provide a non intrusive cost effective solution to expensive manual temperature record collection. We can compare data from a single or multi site and have it displayed on our Realtime Online dashboard which is easy to read, and displays compliance data that meets the MHRA requirements.

### Key Benefits

- Room and Incubator Temperature Sensors
- Temperature ranges as low as -200°C and as high as +300°C.
- Easy installation
- Option for alarmed transmitters
- High Accuracy probes with a faster response time
- Full audit trail
- Cost effective solution



Boxed Temperature Transmitters

## Invisible Systems MHRA Monitoring Solution

MHRA Temperature monitoring guidelines indicate that controlled drugs and vaccine stock has to meet temperatures that offer the best shelf life and efficiency. Furthermore, temperature monitoring audits are a regular occurrence in the pharmaceutical industry as the MHRA guidelines must be met. Allocating a separate room or even a controlled chamber within a room for monitoring temperature and humidity can be costly and even impractical, as the time, money and space consumed using this method would not be an appropriate way to overcome this task. Especially if it means manually obtaining the readings which could lead to human error.

Invisible Systems have a fantastic monitoring solution using Realtime-Online™ that will alert the user if any of the set parameters have been breached. Realtime-Online™ will help you comply with MHRA regulations and can create reports based on conditions breached and display the alarms that have gone off. Realtime-Online™ will also allow you to have full traceability and audit trail of your site in logging corrective actions, Temperature exceptions, users and system changes



Example of Realtime-Online fridge report

The wireless transmitters can communicate to a local audible, alarm display (*right*) to notify personnel locally in the event of an exception.



Ultra RF Boxed ISL 058 Gateway

Invisible Systems have products to monitor refrigerated areas, freezers down to -80C and even -200C for liquid nitrogen, doors being closed etc and reporting software with specific for this application.

Positive and/or negative room pressures can be continuously monitored for traceability and alarms raised in the event of a failure.



Ultra RF Alarm Display

### Proven technology that combines compliance monitoring with technical know-how

Invisible Systems Realtime Online system of monitoring and control can be specially designed to create a custom made solution for your organisation. This includes temperature monitoring, energy usage, conditions monitoring and more - driving down costs and improving efficiency across your whole business.

Our Realtime Online Monitoring system can also be used for:

- legionella compliance
- food compliance
- boiler optimisation
- energy control
- energy monitoring
- critical asset monitoring
- security monitoring
- weather monitoring

Invisible Systems design and manufacture wireless energy monitoring and control tools.

Realtime-Online™ provides access to your valuable data, with a web front-end for displaying information on dashboards, and a comprehensive reporting suite.

Designed, developed and manufactured in-house, our system has been in operation for over 10 years and has been used in organisations throughout the UK to monitor pharmaceutical fridges and freezers so they remain in accordance with MHRA regulations.

## Contact Us

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