

Selsius System

Hospital temperature monitoring

For use as a standalone system or incorporated into Hanwell IceSpy and Hanwell Pro systems, Selsius provides specific temperature monitoring and alerts within hospital wards/patient rooms and clinics.

Many thousands of pounds worth of medicines are held within refrigerated and dry storage areas and if these are manually checked (even once a day) could significantly become out of specification several times without anyone being informed.

Temperature excursions can have a serious effect on the contents of a fridge which could lead to a patient being treated with degraded or ineffective drugs.

Selsius is designed to keep your drugs safe from damage and the patients safe from harm, whilst also freeing up your staff's time for other critical duties.



Door & Temperature



Automatic report to printer



Wireless



Download audit-ready reports

Features

- Receive immediate alerts direct to a local printer
- Wireless range of up to 300mtrs (over open ground). Can be extended with repeaters.
- User replaceable battery in all transmitters
- Wall/fridge mounted bracket incorporated into case designs
- Software locally installed or hosted cloud version available if required
- User friendly installation and software
- Complies with RoHS and WEEE EU directives
- Carries CE Marking
- Complies with BS EN 12830
- Traceable and UKAS calibratable

Benefits

- Assists with national regulatory requirements such as MHRA, GDP, GMP and GCP
- Maintains product quality and assists with eliminating product waste
- Reduce errors resulting from manual checks
- Eliminate time spent taking manual readings
- Alleviate audit stress with easy to access historical reports

Applications

- Drug storage
- Blood storage
- Refrigerated storage
- Ambient storage

System components:



Transmitters
Internal and external probes with optional door switches. -40 to +60C

Data Collection Unit
Receives data from Selsius transmitters and generates buzzer to alert staff.

Repeater unit
Extends radio by 300mtrs. May not always be required.

How it works

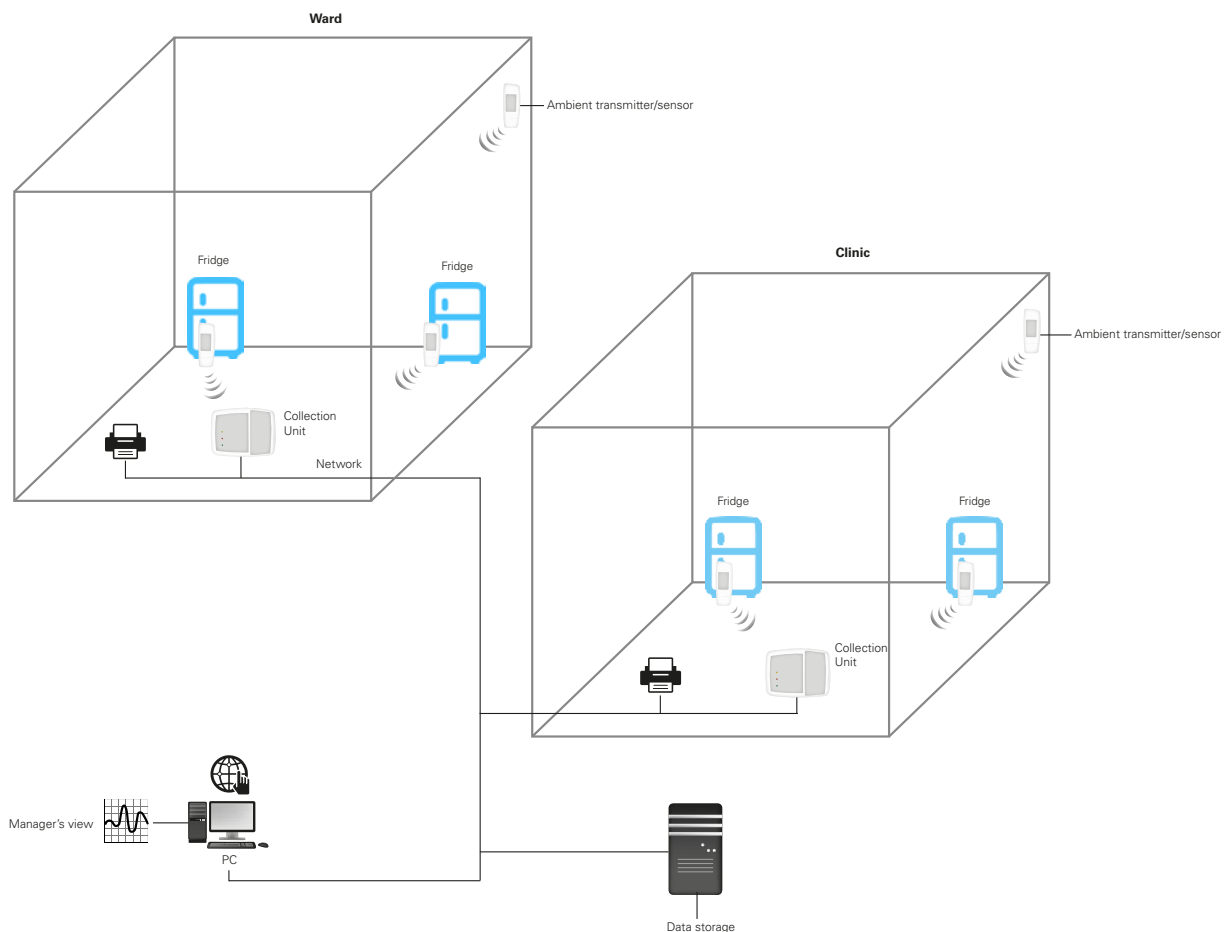
When an alarm condition is detected a buzzer will sound to alert the staff that an alarm condition has occurred. With Selsium, the alarm notification will be delivered to a nominated printer for the staff to deal with. The printout has all the information required to quickly identify the problem fridge, and instructions on what to do.

Because Selsium also stores the data on a local database, the system can be used by senior staff to review data and identify any potential trends that may cause problems in the future.

Staff can receive automated scheduled reports by email, allowing them to easily manage large numbers of fridges effortlessly. Scheduled reports will identify fridges that are constantly going into alarm, which could be caused by faulty equipment or poor staff handling. The data produced allows for better management of the fridges and to order replacements before failure occurs or to improve staff training.

The Selsium system leads to better quality of service and saves money by reducing waste.

Schematic



Ultimate peace of mind    RoHS

Version 1 - ECN6081

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Software

Action Alarm Printouts

Each Alarm printout has an Action Required section; the contents of which are user set on Selsium Device Group, or Selsium Sensor basis.

Fridge Report

The Fridge Report works with a single transmitter. It will show the current alarm limits; total number of alarms during the report period; and a red, amber, green indication of alarm regularity during the report period, this will be green less than 1 per week, amber less than 1 per day, red 1 or more per day.

System Status Report

The System Status Report shows number of fridges on the site; current alarm levels for each fridge; and the number of alarms per day per fridge channel for the report period; i.e. if there are 3 alarms during a 7 day report period, then there will have been 0.4 alarms per day.

