

Automated Wireless Monitoring

Monitor – Report – Alarm – Protect



Protecting against Legionella

For further information

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What is Legionella?

Legionella is a bacteria commonly found in water systems

Why is temperature monitoring important

The bacteria multiply where temperatures are between 20-45°C and nutrients are available. The bacteria is dormant below 20°C and does not survive above 60°C.

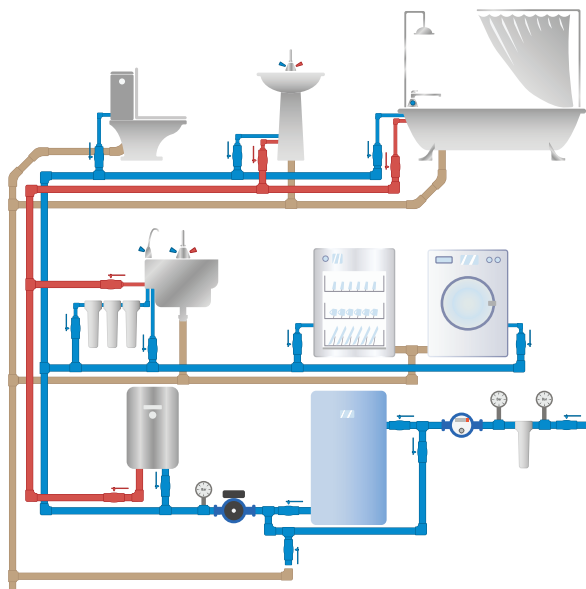
Legionnaires' disease is a potentially fatal type of pneumonia, contracted by inhaling airborne water droplets containing viable Legionella bacteria. Such droplets can be created, for example, by: hot and cold-water outlets; atomisers; wet air conditioning plant; and whirlpool or hydrotherapy baths.

Anyone can develop Legionnaires' disease, but the elderly, smokers, alcoholics and those with cancer, diabetes or chronic respiratory or kidney disease are at more risk.

The primary method used to control the risk from Legionella is water temperature control.

Water services should be operated at temperatures that prevent Legionella growth:

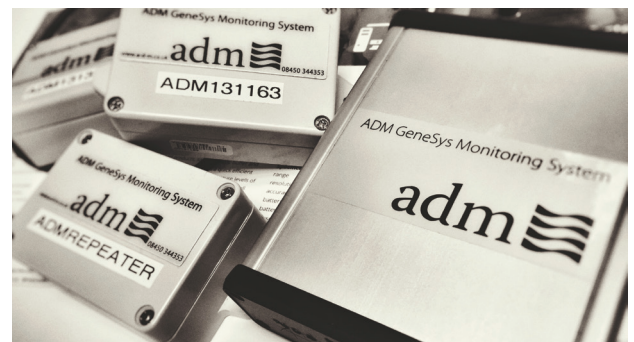
- Hot water storage cylinders (calorifiers) should store water at 60°C or higher
- Hot water should be distributed at 50°C or higher (thermostatic mixer valves need to be fitted as close as possible to outlets, where a scald risk is identified).
- Cold water should be stored and distributed below 20°C.



ADM provide a fully automated calorifier (outlet and return) TMV and sentinel point monitoring system, producing reports and alarms, should critical temperatures not be achieved over a defined period, allowing for timely remedial actions to be implemented.

Being a wireless system, installation is far less intrusive than wired systems. Plus, all data is captured and stored off site, with access by username and password for designated users, with various permission access levels set by the client. The system is designed around your requirements, so there are no services or facilities being paid for that are not utilised.

There are many uses for the ADM GeneSys Monitoring System, please contact us to enquire as to the many benefits the system can offer your organisation.



System Outline

- Data received by base stations operating with LAN or GSM
- Data transmitted utilising radio frequency 433MHz ISM band
- Pre set selected parameters for breached values generating alarms using email and SMS
- Transmitters powered by one 3.6v battery, providing up to 5 year battery life
- System has low battery indicator alarms
- Internal on board rechargeable batteries providing up to 4 hour operation in the event of mains power failure.
- Other application
 - Relative Humidity
 - CO2
 - Air Pressure and differential air pressure
 - Ultrasound distance monitoring (Flood control)
 - Infra-Red Temperature (EG Desk utilisation)
 - Door open/closed.