

Aqualeak FlowManager



The Aqualeak FlowManager has been specifically designed to operate in accordance with the Construction Insurance Risk Engineers Group (CIREG) best practice guidance for mitigating the risk of an escape of water on construction sites.

The FlowManager can monitor up to six individual water meters at any one time. Each meter can be individually programmed to ensure that leak detection thresholds are appropriate for each feed. The FlowManager can also compare the flow rates of two given meters to identify anomalies.

The FlowManager can connect to multiple shut-off valves, which will isolate the water in the event that thresholds are exceeded. Valves can also close autonomously at pre-set times to ensure no water damage can occur on-site outside of working hours.

The FlowManager can also connect to up to four contact sensors for additional monitoring capability in areas such as plant rooms or risers. As well as monitoring temporary water feeds during the construction phase of a project, the FlowManager can also be redeployed as a major water leak detector for an ongoing, occupied property, in-line with BREEAM Wat-02 and Wat-03 criteria.

Benefits

- Operates in-line with CIREG best practice guidance
- Suitable for monitoring both construction and occupied phases
- Can monitor up to six water feeds simultaneously thresholds
- Triggers an automatic shut-off valve is a leak is detected, minimising damage
- Can monitor up to four contact sensors from a single panel
- Can be connected to a central BMS

Features

- HMI touch screen interface
- Connects to a variety of sensor types and ancillary devices
- Analyses data samples gathered in real-time
- Built-in visual and audible alarms
- Can compare flow rates of two given meters to detect issues
- Wall-mounted and mains powered CE-marked
- Configurable to specific site conditions
- CE compliant

Operation

In operation, the FlowManager continuously monitors the water meters and sensors connected to it for abnormal flow or unwanted presence of water. If a leak is detected, the FlowManager will and/or can be configured to:

- Activate a visual on-screen alarm
- Shut off local water supplies
- Sound a buzzer
- Report alarm status to a connected Building Management System (BMS / SMS) or device
- Continuously monitors meters and sensing equipment