HOCHIKI

World Class Leaders in Fire Detection Since 1918

LE▲Kalarm

RANGEOVERVIEW

Intelligent Leak Detection System

What is the greatest risk?

Despite the understandably significant resources spent on mitigating loss through fire, there is a much greater threat to business continuity, that of disruption to business and asset damage through water leaks.

Statistics show that the most likely cause of claims in blocks of flats, hotels, retail premises and commercial buildings is water damage. It is now a commonly accepted fact by UK insurers that water leakage is the costliest and most common claim made by commercial customers with a total loss in the UK alone approaching £800 million.

The financial market is particularly sensitive to these potential losses with Data Centre outages costing an average of £12,000 per minute, hourly losses on the Stock Exchange of around £4.5 million and Credit Card Clearance around £1.8 million.

The cost to businesses due to water leakage can therefore be significant and it is not just the obvious cost of physical damage to IT and other electronic equipment, plant, fixtures & fittings, stock and the fabric of the building. Like fire damage, even a seemingly minor water leak can result in temporary relocation, resultant increased employment costs, significant business interruption and loss of profits.
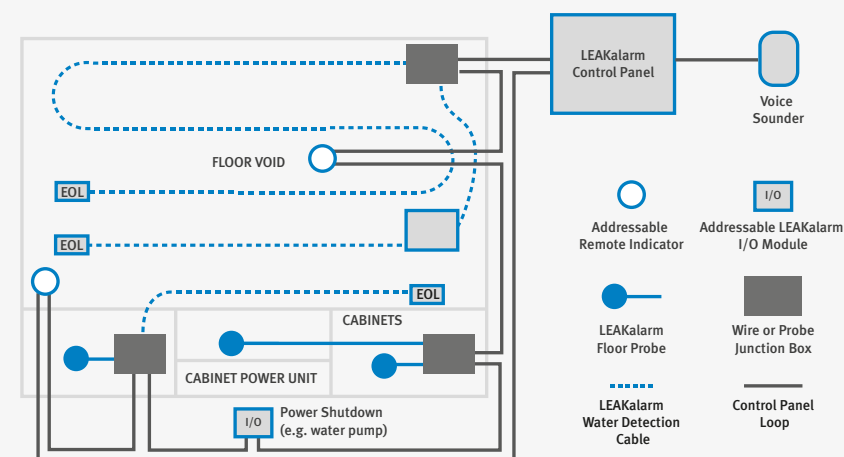
The Solution

The only way to mitigate the risk of water damage is to continuously monitor for water leaks. Risk assessment of potential water damage and the installation of water leak detection systems are being recommended by commercial insurers more frequently and is often a requirement for full cover.

Leading the way in water detection technology is the new **LEAKalarm** system from Hochiki. **LEAKalarm** is an intelligent (addressable) solution designed to be infinitely reliable, with many of its features also found in systems designed to ensure life safety.

TYPICAL SYSTEM CONFIGURATION
Addressable System

- LEAKalarm Control Panel
- Voice Sounder
- FLOOR VOID
- EOL
- EOL
- EOL
- CABINETS
- CABINET POWER UNIT
- Power Shutdown (e.g. water pump)
- I/O
- Addressable Remote Indicator
- Addressable LEAKalarm I/O Module
- LEAKalarm Floor Probe
- Wire or Probe Junction Box
- LEAKalarm Water Detection Cable
- Control Panel Loop

Company Overview

Established in Japan in 1918, Hochiki is an independent, multi-national, publicly listed company with over 1700 employees across the globe. One of the world's leading manufacturers of commercial and industrial fire detection and emergency lighting solutions, Hochiki has acquired global acceptance as the benchmark for high-integrity and long-term reliability.

Hochiki's facilities in Japan, the United States of America and Europe design and manufacture products and provide technical support suited to local standards and customer requirements. Total commitment to meeting the needs of individual national markets has reinforced the company's global reputation, resulting in Hochiki products being installed in many prestigious sites and in over 80 countries worldwide.

91%

Respondents rated product quality as either 'very good' or 'excellent'

92%

Customers stated our market reputation is 'very good' or 'excellent'

88%

Customers are most likely to recommend our products

STATS TAKEN FROM THE HOCHIKI CUSTOMER SERVICE SURVEY

Key Features & Benefits

Programming for Effective Cause and Effect

Leak detection probes and wires can be freely allocated to any zones. Zones can be grouped to trigger preconfigured outputs or relays. System logic can interpret leak scenarios and drive desired outputs.

Sophisticated Protocol

A dedicated two-wire protocol has been designed to provide power and data over a single pair of cables for high integrity systems. The protocol is designed to provide a fast response to water leak conditions, resilient to external interference. Importantly, a leak detected takes priority over any other data.

Meeting the Standards

Utilising fire alarm technology in the design of LEAKalarm provides the reliability and integrity of BRE approved fire detection systems, meaning there is virtually no risk of failure, downtime and significantly fewer false alarms.

24 Hour Monitoring

LEAKalarm protects a company's building and assets year in year out and has the facility for 72 hour battery standby in the event of a power failure.

Linear & Point Detection

LEAKalarm's linear offering is a flexible cable which will continuously monitor large areas. When even a small amount of water or moisture comes into contact with the wire it will trigger an alarm. Point detection is provided by detection probes, these are fixed to the floor and adjusted to give the required detection level and are connected to the control panel via a junction box.

Suitable Applications

The LEAKalarm system is adaptable to a broad range of environments and applications. From small, to very large areas, the cables and probes can be designed to fit almost any particular environment. LEAKalarm provides reliable, high sensitivity, water and leak detection in bespoke application specific installations. LEAKalarm is particularly useful in the following environments -

- ▶ Communications sites
- ▶ Utilities infrastructure
- ▶ Data distribution sites / Data centres
- ▶ Warehousing
- ▶ Accommodation
- ▶ Records storage
- ▶ Insurance
- ▶ Bathrooms / Wet rooms
- ▶ Power generation
- ▶ Cultural / Heritage sites
- ▶ Portable switch rooms
- ▶ Museums
- ▶ Marine
- ▶ Hospitals & Healthcare

LAAP-S-1
Addressable Control Panel

LA-WLDM
Addressable Interface Module

LAW-10
LEAKalarm Wire 10m/5m

LA-WLDP
LEAKalarm Detection Probe

LA-WLDM-EOP
Addressable End of Line Device

HSVS
Alarm Activated Voice Sounder

CHQ-ARI
Loop Powered Remote Indicator

Training & Support

To increase client confidence and reduce the need for return site visits, full training and support is available from the team of experts at Hochiki Europe throughout all stages of the project, ensuring optimal results and the successful delivery of the LEAKalarm system.

Accessories

Product Code	Description
LA-WLDP-H	Probe Height Adjustment Kit
LA-WLDP-DT	Probe Drip Tray Mounting Kit
LA-WLDP-C	Protection Cage for LEAKalarm Probe
LA-FX	LEAKalarm Cable Fixing Clips (bag of 100)
LA-FXSA	Fixing Clips for Leader & LA Cable (pack of 100)
LA-ZB1	Zone Breaker / Extension Lead 1m
LA-ZB3	Zone Breaker / Extension Lead 3m
LA-ZB10	Zone Breaker / Extension Lead 10m
HSCP-Bezel	Bezel for Semi-Flushing HSCP Panel to Wall

Panels

Product Code	Description
LAAP-S-1	Addressable Leak Detection Panel Single Loop
LAAP-S-2	Addressable Leak Detection Panel 2 Loop
LAAP-SPR	Addressable Leak Detection Repeater Panels

Alarm & Indicating Equipment

Product Code	Description
HY-WLSMC	Short Message Communicator via GPRS
HSSB1	Sounder / Beacon (White Sounder Blue Beacon)

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2-3-0-2606/ISS1/MAY18

Your Safety, Our Technology