SENSE IT
TECHNOLOGIES
MONITORING AND CONTROL SOLUTIONS



LoRaWAN Zone Leak Detection Sensor

SKU: SI-LRW-LEAK-002

Detect water leaks and flooding before they cause costly damage with a wireless leak detection sensor. Designed for buildings, server rooms, plant rooms, cold stores and industrial facilities, it provides immediate alerts when water is detected, helping protect equipment, stock and critical infrastructure.

OVERVIEW

The Sense It Water Leak Detection Sensor provides continuous monitoring for unwanted water leaks and flooding in critical areas. Using a highly sensitive leak detection cable, it identifies the presence of water anywhere along the sensing cable, enabling rapid detection before small leaks become expensive incidents.

The sensor is ideal for server rooms, data centres, electrical switch rooms, pump stations, cold stores, refrigeration plant rooms, warehouses, commercial buildings, hospitals, laboratories and industrial facilities. It can also be installed around pipes, valves, water tanks, air conditioning systems and other equipment where leaks may occur.

Unlike traditional point leak sensors, the leak detection cable continuously monitors its entire length, allowing a single sensor to protect larger areas or follow the route of pipework and equipment. This provides greater coverage while reducing the number of sensors required for large installations.

When connected to the Sense It monitoring platform, users can remotely view leak status, receive immediate notifications when water is detected and access historical event records. Alerts can be delivered via WhatsApp, email, Telegram or in-app notifications, allowing maintenance teams to respond quickly before significant damage occurs.

The battery-powered design enables installation without nearby mains power, making the sensor suitable for both new installations and retrofit projects. Its compact enclosure, long battery life and low maintenance requirements provide a reliable solution for protecting valuable assets and minimising downtime caused by water ingress.

KEY FEATURES

- Detects water leaks immediately
- Monitors the full length of the sensing cable
- Provides early flood detection
- Suitable for server rooms
- Ideal for plant rooms
- Suitable for cold stores
- Protects electrical equipment
- Monitors around pipes and valves
- Battery-powered operation
- Long battery life
- Real-time leak detection

- Historical event logging
- Supports instant alarm notifications
- Remote monitoring through the Sense It platform
- Compact industrial design
- Simple installation
- Low maintenance operation
- Suitable for commercial buildings
- Suitable for industrial environments
- Protects critical infrastructure

TECHNICAL SPECIFICATIONS

General

- Measurement type: Water leak detection
- Detection method: Leak detection cable
- Continuous monitoring along sensing cable

Performance

- Detects water presence along the full sensing cable
- Immediate leak detection
- Historical leak event logging

Environmental

- Operating temperature: -30 °C to +60 °C
- Operating humidity: 0–100% RH non-condensing
- Protection rating: IP67

Power

- Replaceable 4000 mAh lithium battery
- Typical battery life: Up to 5 years

Physical

- Compact industrial enclosure
- LED status indicator
- External leak detection cable

Installation

- Wall mounting
- Suitable for indoor environments
- Leak detection cable routed around monitored equipment
- Retrofit or new installations

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