SENSE IT
TECHNOLOGIES
MONITORING AND CONTROL SOLUTIONS



# LoRaWAN Spot Leak Detection Sensor

**SKU: SI-LRW-LEAK-001**

Detect liquid leaks beneath appliances, equipment and pipework with a compact wireless spot leak sensor. Designed for buildings, server rooms, refrigeration systems and industrial facilities, it provides immediate alerts when water is detected, helping prevent equipment damage, downtime and costly repairs.

## OVERVIEW

The Sense It Spot Leak Detection Sensor provides continuous monitoring for water leaks in areas where early detection is essential. Using an integrated high-sensitivity leak probe, it detects the presence of water directly beneath the sensor and immediately reports leak events, allowing maintenance teams to respond before significant damage occurs.

The sensor is ideal for monitoring beneath air conditioning units, refrigeration equipment, water tanks, pumps, pipework, sinks, server racks, electrical panels and plant room equipment. It is also well suited to offices, commercial buildings, hospitals, laboratories, warehouses and industrial facilities where water ingress can damage valuable assets or interrupt operations.

Its compact design allows installation in confined spaces without complex wiring or infrastructure. Unlike leak detection cable systems that monitor long distances, the spot leak sensor provides highly targeted protection for specific pieces of equipment or high-risk locations, making it an economical solution where individual leak points need to be monitored.

When connected to the Sense It monitoring platform, users can remotely monitor leak status, receive instant notifications when water is detected and review historical leak events. Alerts can be delivered via WhatsApp, email, Telegram or in-app notifications, ensuring rapid response regardless of location.

The battery-powered design enables installation where mains power is unavailable, while the IP67-rated enclosure provides reliable operation in demanding indoor and outdoor environments. Long battery life, minimal maintenance and simple installation make it a practical solution for protecting critical infrastructure against water damage.

## KEY FEATURES

- Detects water leaks immediately
- Integrated spot leak probe
- Suitable for equipment protection
- Monitors beneath air conditioning units
- Ideal for refrigeration equipment
- Suitable for server rooms
- Protects electrical equipment
- Real-time leak detection
- Instant alarm notifications
- Historical leak event logging
- Battery-powered operation

- Long battery life
- Compact industrial design
- IP67 weather-resistant enclosure
- Simple installation
- Low maintenance operation
- Remote monitoring through the Sense It platform
- Suitable for commercial buildings
- Suitable for industrial environments
- Protects critical assets

## TECHNICAL SPECIFICATIONS

### General

- Measurement type: Spot water leak detection
- Detection method: Integrated leak probe
- Designed for point leak monitoring

### Performance

- Immediate water detection
- Real-time leak status monitoring
- Historical leak event logging
- Configurable reporting intervals

### 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
- Integrated leak detection electrodes
- LED status indicator

### Installation

- Wall or surface mounting
- Place beneath equipment or leak source
- Suitable for indoor and outdoor installations

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