

The Klondike LK-207 sensor is our basic LoRaWAN wireless sensor for multiple forms of monitoring and alerting, including water leak detection.



5-year warranty



Description

The LK-207 third generation leak sensor (nicknamed "Klondike") brings all the best features of our previous generation of leak sensors and combines them with new enhancements to provide truly best in breed leak detection, energy conservation, reliability, and flexibility, allowing customization and feature activation remotely via LoRaWAN signals.

The sensor features bottom detection pins, a 3.5 mm audio extension jack, a projected 10-year battery life and easy configuration and naming via QR code and mobile app.

Specifications

Wireless Technology

Network protocol	LoRaWAN version 1.0.3 rev B
Frequency	US 915MHz, global variants available EU, Canada, Australia
Redundancy	Unlimited gateway redundancy
RF Noise Mitigation	Ultra low-traffic sub-band assignment
Wireless range	Within-building range: 5 to 10 floors from gateway Outdoor range: 0.5 miles or more.
Adaptive Data Rate	10x faster than industry standard.
Signal Quality Reporting	SNR, RSSI, SF, gateway routing

Sensing

Water presence	10 second interval, adjustable
Button press	Yes
Temperature	Operating range: -40°C to 125°C. Accuracy +- 0.3°C
Humidity	Operating range: 0-100%. Accuracy +- 3RH
Magnetometer	Optional variant
Accelerometer	Optional variant
Barometer	Optional variant
Reed switch	Optional variant

Specifications | cont.

Technical Specifications	Hardware	32-bit processor
	Piezo beeper	60dB for audible power on/off, leak status.
	Battery	2x 1.5V AA Li-ion battery (10Wh)
	Sleep efficiency	< 4 μ A
	LED Status light	Power ON/OFF, Alert
Firmware	5.0.30	
Expansion	3.5mm jack – for adding 1 or more leak ropes, leak probes, float switches, or power-loss detectors.	
Advanced Features	Adjustable height for targeting specific water levels.	
	Anti-electrolysis sensor pin protection.	
	Lost-sensor beep activation.	
	Optional sound channel base for 10dB increased volume.	
Physical Properties	Dimensions: 88mm L x 50mm W x 23mm H	
	Weight: 80g with batteries.	
	Enclosure: Waterproof- fully gasketed.	
	Leak Pin Clearance: 0.75mm from ground.	
	Leak Pin Spread: 8mm	