

A white front-loading washing machine is positioned on the left side of the image. The floor in front of it is covered with a large, shallow pool of water, reflecting light from a window on the right. The background wall is covered in small, light-colored square tiles. A white door is partially visible on the right side of the machine.

DetectIT-WL: Smart IoT Water Leak Detector

DetectIT-WL is a unique Industrial and Home Appliance Smart IoT device that can be used in apartment homes, commercial laundromats and even in single family homes. The primary function of the device is to ensure that a water leak is detected (near washing machine, kitchen sink, water heater, water softener or any water source) and an “instant notification” is provided to the property manager or home owner or both to take immediate action. This device has a long battery life (lasting up to 10 years in normal use circumstances). DetectIT stops leaks from causing severe damage and hence saves several thousand of dollars to insurance companies and facility owners.



Features

- Battery Operated (10 year life)
- Sends multiple simultaneous notifications via email, text and phone call
- Easy setup process, portable, small & compact
- Floats on water. This is unique in the market
- Supports large number of sensors (128)
- Predictive Maintenance signal via low battery and real-time status indicator
- Easy web & mobile (iOS and Android) interface
- Supports secure software update (Over The Air (OTA))
- Temperature and Humidity sensor included (-40°C to 125°C)
- 6 ft extended probe for hard to reach places included

Principle of Operation

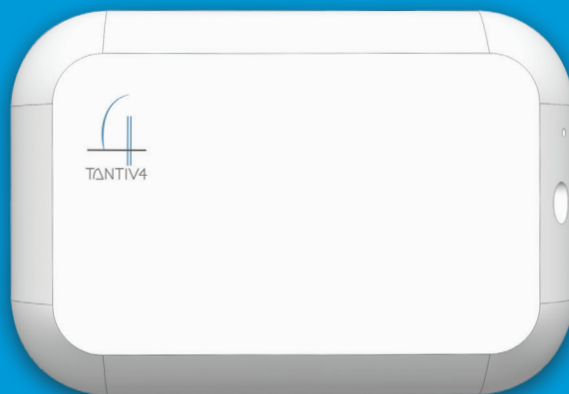
DetectIT detects water leak and notifies users through the cloud. It also reads ambient temperature and humidity and sends the readings to the cloud. Once setup, the device continuously monitors if there is any water leak. If a leak is detected, the device wakes up and notifies the user immediately via SMS, phone call and email as configured in the Application Interface (Web Interface, IOS or Android). The device has 3 modes of operation i.e. Water Leak Monitoring, Not Monitoring Water Leak & Leak detected. If an user intervention is needed, then device goes to "Not Monitoring Mode". The device works normally again after power button is toggled on the device.

Example Applications

- **Single Family Home (Sink, Laundry, Water Heater, Water Softener or Near any Water Source)**
- **Commercial Laundromats**
- **Senior Citizen Facilities**
- **Apartment Homes**

Power Options

The Device is powered by a CR123A 3V battery with a push button switch for resetting the device to come out of "Not Monitoring Mode".



Core Specifications

Wireless Range: 1000 ft.

RF Communication: 2.4 GHz 802.15.4/Thread

Power: System is optimized for long battery life

CR123A: >10 years life



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