

# WATER FLOODING SENSOR

## Overview

NETOP Water Flooding Sensor is a long range wireless sensor which can be used for detecting water flooding for preventing potential property damage that results from flooding or leaks. This sensor can also be used to detect water leakage. This sensor is fully compatible with LPWAN technology by using NB-IoT(Narrowband-IoT). The standard version of this sensor is powered by one replaceable 3.6 V AA sized battery (included with purchase).

## Key Features

- Real plug & play
- Easy to mount & install
- Maintenance free – install & forget
- Excellent Extended Range in Buildings and Underground
- Easy deployment utilizing cellular system
- Micro SIM(default) or Chip SIM Card(depend on request)
- Ultra Low Power Consumption
- Certifications: CE, RoHS



## Communication Specs

- The sensor uses LPWAN technology; Narrow Band IoT (NB-IoT) for connectivity
- Supported bands including B1/ B2/ B3/ B4/ B5/ B8/ B12/ B13/ B18/ B19/ B20/ B26/ B28
- Internet Protocol Feature: Support IPv4/TCP/UDP
- Full duplex communication
- Extended Coverage: 10-15km with 164 dB maximum coupling loss (MCL)
- Antenna Types: Internal(default) or External(depend on request) Antenna

## Mechanics

- Housing: ABS
- Dimensions: 65 x 55 x 27 mm
- Operating temperature: -40°C to +85°C

## Data Security

- AES-128

## Power Supply

- AA Battery 3.6 V Li-SOCI2-Saft LS 14500 (Standard 1 piece)

## Indicators

- RGB Status LED (on board)

## Sensor Specifications

Output	:	1 or 0
Data Transmission Period	:	Every water presence and absence detection

## Certifications & Reliability

- CE
- EN 62479
- EN60950
  
- EN 301 489-1
- EN 301 489-17
- EN 300 328

## Applications

- Water flooding applications
- Basement water monitoring
- Hotel, motel and resort water heater leak detection
- Residential and commercial water heater leak detection and any related applications.