

WATER FLOODING SENSOR - ATRS0041

Overview

SICE ATRS0041 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 compatible with LoRaWAN technology. 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
- Compatible with LoRaWAN™ specification
- Maintenance free – install & forget
- Secure communication
- Ultra Low Power Consumption
- Certifications: LoRaWAN™, CE



Communication Specs

- The sensor uses Low Power Wide Area Network-LPWAN technology(LoRa) for connectivity
- Compliant with AS923, AU915, EU868, KR920, IN865 or US915 MHz ISM bands
- Low power consumption
- Long range wireless data transmission(upto 15km)
- Antenna Types: Internal(default) or External(depend on request) Antenna
- Radio Performance : Upto +14 dBm TX power and -137 dBm RX sensitivity

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-SOCl₂-Soft 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

- LoRaWAN™ Certified
- 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.