

Smart detection system for controlling and preventing water leaks

The system identifies irregular water consumption anomalies that may result from small and or large leaks in the water supply system.

The system is cloud-based and is controlled remotely by our application or management software

Real-time notifications will be sent to your smartphone through our application about irregular water consumption that results from a leak, burst in the water lines, temperature changes and low battery percentage.

According to the user's settings the water can be shut off manually or automatically. Also, there is an option to set a schedule for opening and closing the water according to the user's needs.

The flood sensors detect flooding as soon as water hits the sensors and immediately sends the alert.

The system connects to the internet via wired, wireless or cellular communication.

The communication between the components is RF-based.

The system includes a 1" ball valve, a 1" flow sensor, a battery-controlled actuator, and a HUB.

The system can be integrated to a building management systems via API.

The system complies with NSF/ANSI 61: "Drinking Water System Components".

Required preparation

Prepare 2 electricity points for the Hub, at a maximum distance of 35 Feet.

Prepare a network connection point(Ethernet), WIFi or cellular communication.

The advanced solution for preventing leaks and flooding in all kind of properties









Innovative systems for leak prevention and water savings

Leak

T

5

detected!

last update: 11:26:53

Hub ichard, Richard

Flow sensor

Flood detector

North

Flood detector

Flood detector



VASENS

WASENS

WASENS



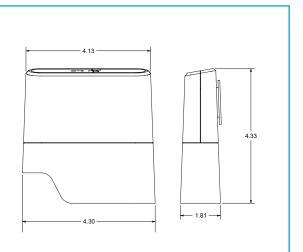


HUB 2.0

The HUB is the core of the system and connects the wireless system components to the cloud.

The HUB communicates wirelessly with the system components, receives alerts and sends commands to the appointed people. The HUB is connected reliably and securely with the WASENS cloud.

The WASENS HUB connects to AC and is backed up by batteries in case of power outages.



Dimens	ions W	Veight	Voltage	Radio frequency	Temperature range	Backup Batteries	Communication
4.33"/4.13	8"/1.81" 5	5.630Z	110V-240V	915MHz	-4° to 122° F	CR1234A V3 X4	WIFI/SIM/ETHERNET

Ball V	/alve.	Actuato	r			
controlled using batt automatic on which or irregula	and op eries. Th cally clos it is insta ar flow is to the u	e main valve erated wire ne valve act ses the wate alled when i dentifiedc iser's needs	lessly uator er line a leak or			
Dimensions	Weight	Battery life	Radio frequency	Temperature rang	e Batteries	Standard
5 51"/3 54"/2 75"	14 6307	2-A years	915MHz	-4° to 122° F	CR12344 V3 X4	IP68 water resistant

Dimensions	Weight	Battery life	Radio frequency	Temperature range	Batteries	Standard
5.51"/3.54"/2.75"	14.63OZ	2-4 years	915MHz	-4° to 122° F	CR1234A V3 X4	IP68 water resistant

Wireless Flood Sensor

Wireless flood sensors are installed, in the sensitive areas of your property (under the sink, washing machine, toilets, etc.) They are designed to detect water flooding in it's early stage. When water is detected, the sensors send

an alert to the HUB and a command is automatically received to close the valve and an alert is sent in real-time to the registered user's mobile phone via text, voice and email.

Each flood sensor detects temperature and alerts in case of a change.

Weight

1.940Z

Weight

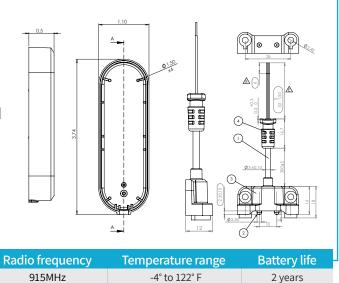
1.940Z

Dimensions

3.74"/1.10"/1.10"

Dimensions

3.74"/1.10"/1.10"



Wireless Rope Flood Sensor

Batteries

2 x AAA

Voltage

V3

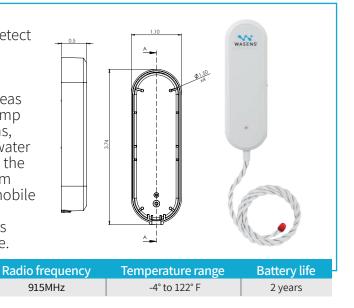
Voltage

V3

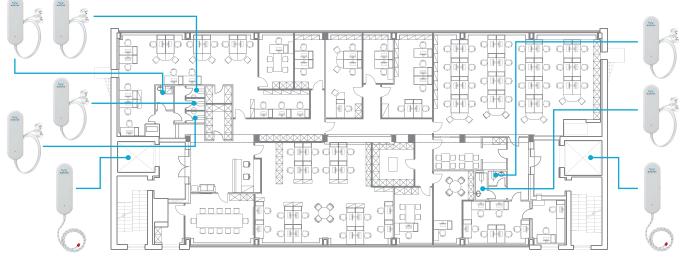
Wireless ropes sensors are designed to detect water from the begining to its end, which allows you to cover and monitor a larger area.It can be wrapped around pipes and fittings. Ropes are installed in sensitive areas within your property (in server rooms, pump rooms, boiler rooms and machinery rooms, etc.), the sensors are designed to detect water at an early stage. When water is detected , the sensor sends an alert to the HUB and from there it is immediately forwarded to the mobile phone via text , voice and email to the registered users. Each flood sensor detects temperature and alerts in case of a change.

Batteries

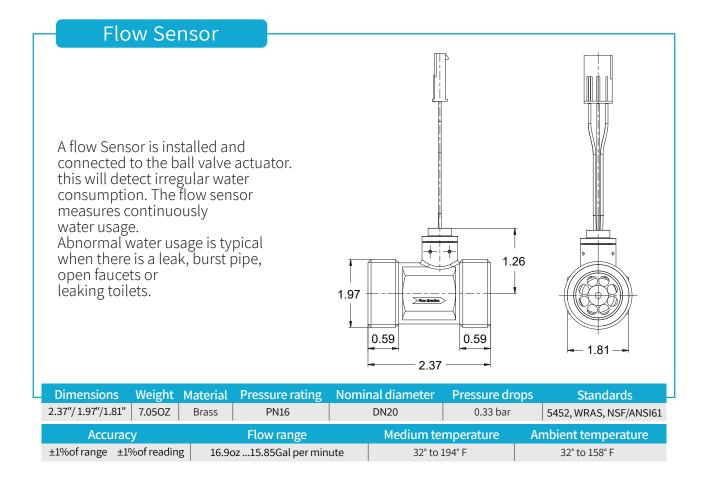
2 x AAA



Flood detectors are located at the sensitive points in the property: Sinks, bathroom, water bar, coffee machine, laundry room, elevators, electrical cabinets, server rooms and more.







— Ba	ll Valve				
We use an ISO valve that is N the hammer with other ty	NSF/ANSI 61 effect that o	to avoid an occur	A CH A	square - B 	
Dimensions	Weight	Operati	ng temperature	Operating pressure	Standards
3.54"/3.14"/2.16"	28.32OZ	-4	4° to 338° F	40 bar	5452, WRAS, NSF/ANSI61

