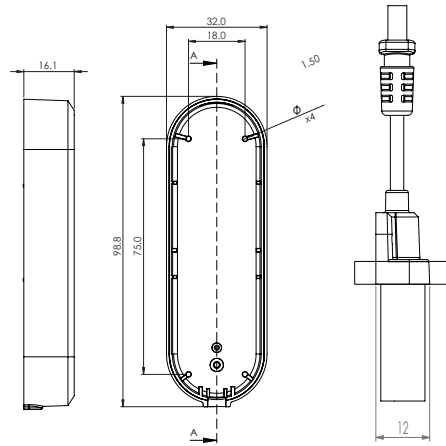


### Remote meter reader

The remote meter reader unit interfaces from the water meter to the cloud through the reed switch. This advanced wireless system integrates with WASENS automatic reading management tools and the analytics can be customized to the unique needs of each customer, and especially to the specific requirements of various sites. The system eliminates the need for physical and individual inspection of the meters and provides real-time alerts about leaks.



Dimensions	Weight	Voltage	Radio frequency	Temperature range	Backup Batteries	Battery Life
3.74"/1.10"/1.10"	1.94OZ	3V	915MHz	-4° to 122° F	2 x AAA	2 years



www.wasens.net ■ info@tripleplus.io



## Advanced Leak and Flood Prevention Systems

### Leak Monitoring and Detection System for Main Pipelines and Large Diameters

A smart system that detects and alerts abnormal consumption resulting from major leaks in the water supply system or overuse.

The system alerts of abnormal usage via the free smart mobile app.

The app offers a variety of different options and settings for notifications.

The system connects to the internet via a wired/wireless or cellular connection and to a water meter via a battery-operated remote reader and a RF transmitter device installed at the pipes entry into the building.

The batteries should be replaced every two-three years, a notification will be sent to the app or the management system as necessary.

The system includes a water meter according to the specifications on the next page and up to a diameter of 12" (supplied as part of a system kit).

Simple monitoring of hourly, daily, monthly, and annual water consumption.

A controlled shutoff valve can be connected to this system (refer to the MASTER Controlled System specification).

Flood detectors can be connected to this system (refer to the Flood Detector specifications).

A cloud-based system controlled remotely via a mobile app and/or management software.

The system notifies about floods, temperature changes, communication, and battery problems via a mobile app.

The system connects to the cloud via wired/wireless/cellular communication.

The system includes A hub and the requested quantity of flood detectors.

The system can be connected by an API to a building control system.

### Required Preparation:

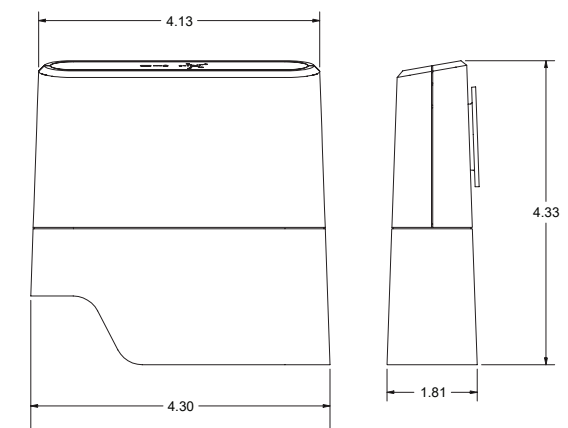
The customer should prepare a CI 4 plastic box and a deep cover with 2 flat 110V electrical sockets that be installed at the upper part of the box for the hub and the cellular router

The enclosure should be installed up to 30 feet from the water meter, in a location with cellular reception.

When installing the system in a pump room without cellular reception, the contractor should set up the pump room for communication (LAN or WIFI Internet).

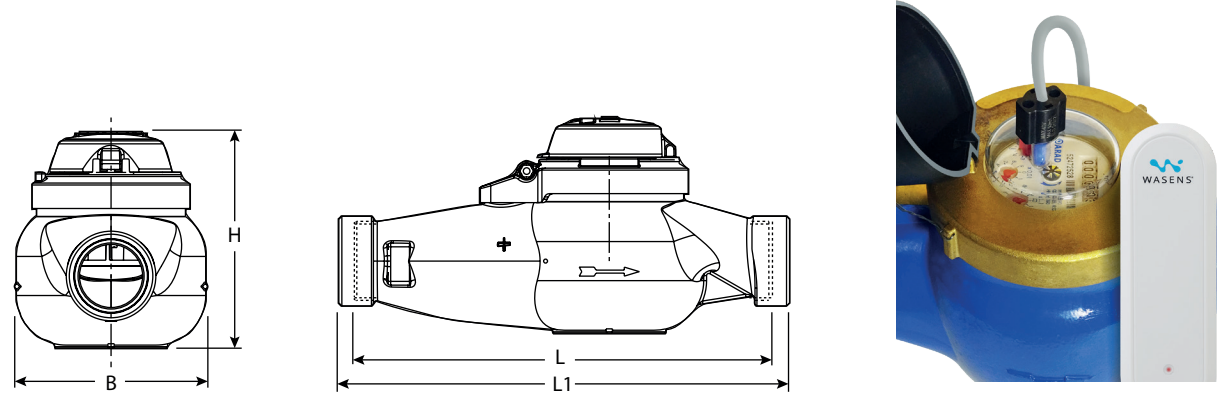
### HUB 2.0

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.



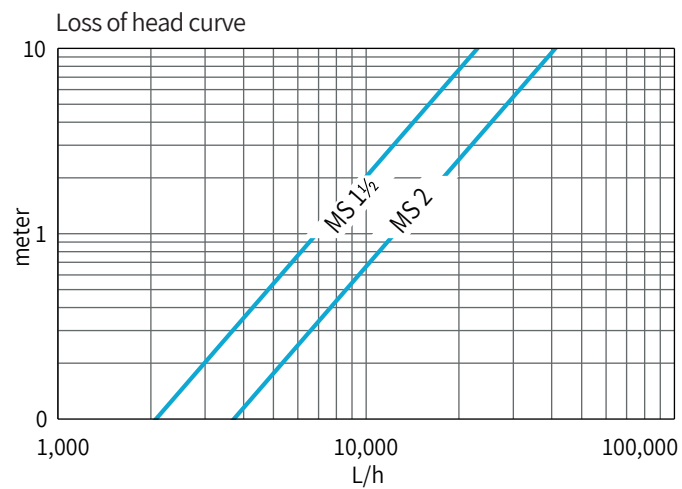
Dimensions	Weight	Voltage	Radio frequency	Temperature range	Backup Batteries	Communication
4.33"/4.13"/1.81"	5.63OZ	110V-240V	915MHz	-4° to 122° F	2 x AA	WIFI/SIM/ETHERNET

## 1.5"- 2" WATER METER REED SWITCH OUTPUT



Specification

Measure Accrue between Q1 - Q2	Measure Accrue between Q2 - Q4	Smallest Accrue Unit (Liter)	R Q3/Q1	Maximum Accrue Reading (m³)	Q4 Maximum Flow (m³/h)	Q3 Minimum Flow (m³/h)	Q2 Transition Flow (m³/h)	Q1 Nominal Flow (m³/h)	Nominal Diameter (inch)	MODEL
± 5	± 2%	0.5	100	999,999	20	10	0.15	0.1	1½	MS 40
			50		20	16	0.512	0.32	2	MS 50



Dimensions

MS50	MS40	MODEL	
50	40	mm	Nominal Diameter
2	1½	inch	Nominal Diameter
300	300	mm	L-length less clutches
460	435	mm	L1-length with clutches
160	125	mm	B-width
190	140	mm	H-heighth
8	4.1	Kg	Weight less clutches
9.4	5.1	Kg	Weight with clutches

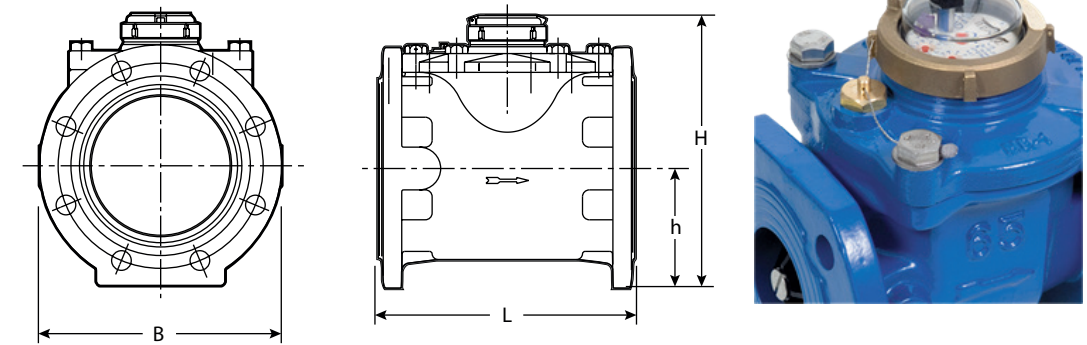
### Installation:

The water meter can be installed at any angle. In a non-horizontal position, the water flow will be from bottom to top. The inlet pipe to the water meter must be flushed before installation. The water meter must have a full flow section. For maximum accuracy, install straight pipe sections with the water meter diameter D, length of D5 at the inlet, and length of D3 at the outlet.



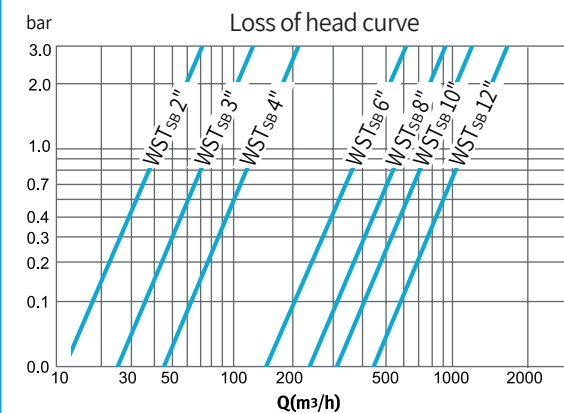
## 3"-12" WATER METER REED SWITCH OUTPUT

במקרים חריגים ניתן להזמין גם בקוטר 2"



Specification

Measure Accrue between Q1 - Q2	Measure Accrue between Q2 - Q4	Smallest Accrue Unit (Liter)	R	Maximum Accrue Reading (m³)	Start Measure (m³/h)	Q1 Minimum Flow (m³/h)	Q2 Transition Flow (m³/h)	Q3 Nominal Flow (m³/h)	Q4 Maximum Flow (m³/h)	Model:WST <sub>SB</sub>	
										mm	inch
± 5	± 2%	0.5	100	10 <sup>6</sup>	0.15	0.63	1.01	63	78.75	50	2
		0.5	100	10 <sup>6</sup>	0.15	0.63	1.01	63	78.75	65	2½
		0.5	100	10 <sup>6</sup>	0.25	1	1.6	100	125	80	3
		5	100	10 <sup>7</sup> / 10 <sup>6</sup>	0.3	1.6	2.56	160	200	100	4
		5	100	10 <sup>7</sup> / 10 <sup>6</sup>	0.8	2.5	4	250	312.5	150	6
		50	50	10 <sup>8</sup>	2	12.6	20.16	630	787.5	200	8
		50	50	10 <sup>8</sup>	3	20	32	1000	1250	250	10
		50	50	10 <sup>8</sup>	4	20	32	1000	1250	300	12



Dimensions

WST <sub>SB</sub>								MODEL
300	250	200	150	100	80	50	mm	Nominal Diameter
12	10	8	6	4	3	2	inch	Nominal Diameter
500	450	350	300	250	230	200	mm	L-length
489	406	340	283	220	200	165	mm	B-width
338	438	338	310	250	234	214	mm	H-heighth
330	258	158	130	106	90	70	mm	H-heighth
95	80	41	35.5	19	15.5	12.5	Kg	Weight

### Installation:

The water meter can be installed at any angle. In a non-horizontal position, the water flow will be from bottom to top. The inlet pipe to the water meter must be flushed before installation. The water meter must have a full flow section. For maximum accuracy, install straight pipe sections with the water meter diameter D, length of D5 at the inlet, and length of D3 at the outlet.

