

# Sensors and Flow Meter - Configuration

Hydrawise supports two types of sensors:

1. Flow sensors that measure water usage for an irrigation zone (or zones).
2. Rain sensors, wind sensors, and moisture sensors (sometimes called on/off sensors) that allow you to suspend watering cycles for a zone (or zones).

## Flow Meters

Flow meters measure the amount of water going onto each zone. This is really useful for understanding water usage and monitoring issues such as broken pipes.

Hydrawise reporting allows you to see how much water is used for each zone and how much water is used across your system.

With a flow meter, you can also create alerts for flow issues, which will keep you up to date on what's happening (particularly important for unattended homes). See [Creating Alerts](#) <sup>[1]</sup> for more information.

Flow Meters	
US Hunter HC Flow Meters	3/4 inch NPT Flow Meter
US Hunter HC Flow Meters	1, 1/5, or 2 inch NPT Flow Meter
Metric Hunter HC Flow Meters	20mm BSP Flow Meter
Metric Hunter HC Flow Meters	25, 40, or 50mm BSP Flow Meter
Discontinued Sensors	Flow Meter with 3/4 inch coupling
Discontinued Sensors	Flow Meter with 1 inch coupling

## Rain/Moisture Sensors

Hydrawise also supports standard open/closed contact rain sensors and soil moisture sensors. In fact, you can use any generic type of sensor that has an open/close contact.

These sensors use two wires and are usually labeled as normally open (sometimes called NO) or normally closed (sometimes called NC).

A rain or moisture sensor is usually used to stop irrigation. However, you can also create your own custom sensor types to start irrigation or for other advanced applications. See [Creating a Custom Sensor](#) <sup>[2]</sup> for more information.

HUNTER CLIK	
Rain Sensor (Normally Open)	A standard rain sensor (use this if you have wired the rain sensor's normally open wire to the controller)
Rain Sensor (Normally Closed)	A standard rain sensor (use this if you have wired the rain sensor's normally closed wire to the controller)
Soil Moisture Sensor (Normally Open)	A standard soil moisture sensor (use this if you have wired the soil moisture sensor's normally open wire to the controller)
Soil Moisture Sensor (Normally Closed)	A standard soil moisture sensor (use this if you have wired the soil moisture sensor's normally closed wire to the controller)

## Wiring

Flow meters are supplied with [detailed installation instructions](#) <sup>[3]</sup>.

The flow meter wires need to be cabled back to the controller and connected to the **Sensor** inputs on the controller. See chart below for wiring standard Hydrawise flow meters (Sizes include 3/4", 1", 1.5", 2")

FLOW METER WIRE	SCREW TERMINAL	CONTROLLER
BLUE	SEN 1, 2	HC
BLUE	SEN 1, 2	PRO-HC
BLUE	SEN	HPC-FP
WHITE	COM	HC
WHITE	SEN COM	PRO-HC
WHITE	SEN	HPC-FP
RED	Not Used, Cap off	N/A

SENSOR WIRE	SCREW TERMINAL	CONTROLLER
Wire 1	SEN 1, 2	HC

Wire 1	SEN 1, 2	PRO-HC
Wire 1	SEN	HPC-FP
Wire 2	COM	HC
Wire 2	SEN COM	PRO-HC
Wire 2	SEN	HPC-FP

WIRELESS RAIN CLIK	SCREW TERMINAL	CONTROLLER
Yellow/Yellow	24V/24V	HC
Yellow/Yellow	AC1/AC2	PRO-HC
Yellow/Yellow	AC1/AC2	HPC-FP
Blue	SEN 1, 2	HC
Blue	SEN 1, 2	PRO-HC
Blue	SEN	HPC-FP
White	COM	HC
White	SEN COM	PRO-HC
White	SEN	HPC-FP
Orange	Not Used for Hunter Controllers	Open Circuit Controllers Only

Once you've wired your rain, moisture sensor or flow meter, configure it in your Hydrowise account as shown below.

## Sensor Configuration

There are two steps to getting your sensor to work for each of your zones:

1. Create a new sensor in your Hydrowise account under [Sensors](#) [4]. Choose the sensor name, type of sensor, and the controller input. You also have the option to [create a custom sensor](#) [2].
2. Once you've created your sensor, **assign the zones** that will use the sensor in the sensor table.

### STEP 1

### Add Sensor

Sensor details | **Set zones**

**Sensor Name**  
Assign a descriptive name for this sensor  
Wireless Rain CliK

**Type of Sensor**  
Choose the type of sensor you have installed. You can also create a custom sensor type if you have something non standard.  
Rain Sensor (normally closed wire)  
Create New Sensor Type...

**Controller Input**  
Choose the input on the controller that this sensor is wired to  
SENSOR 1

Cancel < Prev **Next >** **OK**

### STEP 2

### Add Sensor

Sensor details | **Set zones**

**Select Zones**  
Select the zones which will use this sensor

**Available zones**  
Carioca Court  
Front Grass  
Street Drip  
Front Drip  
Back Grass  
Back Drip  
Diamond Street Controller

**Selected zones**

Cancel < Prev **Next >** **OK**

**Create a Custom Sensor** You can also create custom sensors in your Hydrowise account

under **Sensors**. Some examples of custom sensor types are:

- A flow meter of a different size to the standard Hydrowise flow meters.
- A sensor to conform to restrictions that specify no watering for a minimum period of time after rain is detected.
- A sensor to start irrigation if motion is detected (Enthusiast Plan only)

To add a custom sensor type, go to **Sensors** and click on **Add Custom Sensor Type**. Give the sensor a name and choose its type as outlined below. **Flow Meter** Liters per pulse: The number of liters of water expected to pass through the flow sensor per flow meter pulse (you can get this information from your flow meter's specifications) **Normally Open Sensor/Normally Closed Sensor** Sensor Action: Whether the sensor should cause a zone to start or stop. **Start a Zone** If the zone should start, choose the minimum number of seconds before the sensor can cause the same zone to start again. **Stop a Zone** If the zone should stop, choose the number of seconds to delay before stopping the zone, and how long the zone should be disabled. For example, some watering restrictions require that if rain is detected, sprinklers should not run for at least two days.

### Custom Setup Example

Add Custom Sensor Type ×

**Sensor Type Name**  
Assign a descriptive name for this sensor definition

**Type of Sensor**

Normally Closed Sensor ▼

**Sensor Action**

Stop a zone ▼

Choose what happens when this sensor becomes active

**Delay before stopping**

2 hours ▼

Minimum number of seconds before stopping a running zone

**Minimum off period**

2 hours ▼

Minimum number of seconds the zone should be disabled for

Cancel

