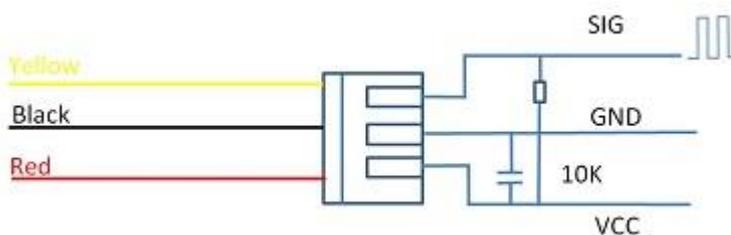


A G3/4" water flow sensor for providing more choice of water flow sensors. Water flow sensor consists of magnetic core, rotating impeller, external casing and sensor and a hall-effect sensor. When water flows through the rotor, rotor rolls, it activates the magnetic core to trigger switch action speed changes with different rate of flow. The hall-effect sensor outputs the corresponding pulse signals, users can get the flow speed via detecting the pulse. It is suitable to detect flow in water dispenser or coffee machine. There are also lots of other water flow sensors in other diameters for your choice.

The water flow sensor outputs pulse proportional to the water flow with: Pulse Frequency = Flow* 5.5. That is, if the output frequency is 48, then the water flow: $48/5.5 = 8.72$ (L/min) Connect the water flow sensor to microcontroller as follows:



Specification

- Mini. Working Voltage: DC 4.5V
- Max. Working Current: 15mA (DC 5V)
- Working Voltage: DC 5V~24V
- Flow Rate Range: 1~60L/min
- Load Capacity: ≤ 10 mA (DC 5V)
- Operating Temperature: $\leq 80^{\circ}\text{C}$
- Liquid Temperature: $\leq 120^{\circ}\text{C}$
- Operating Humidity: 35%~90%RH
- Water Pressure: ≤ 2.0 MPa
- Storage Temperature: $-25 \sim + 80^{\circ}\text{C}$
- Storage Humidity: 25%~95%RH