

Description

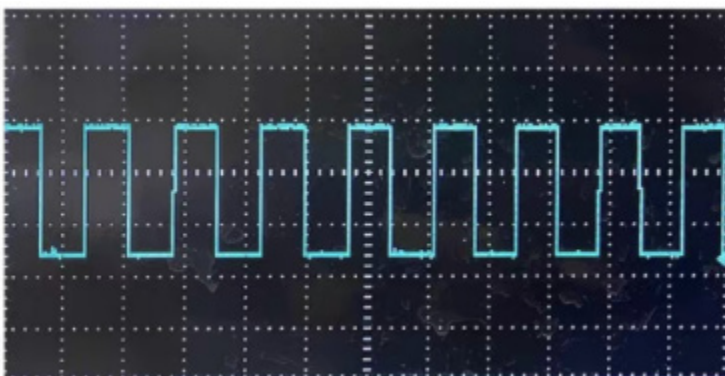
The water flow sensor is mainly composed of a plastic valve body, a water flow rotor assembly and a Hall sensor, which is installed in the water inlet end of the water heater for detecting the water flow, when the water passes through the water flow rotor assembly, the magnetic rotor rotates and the speed changes with the flow, the Hall sensor outputs the corresponding pulse signal, feeds back to the controller, and the controller determines the size of the water flow for regulation



Specifications

Output signal	Default output NPN pulse signal
Interface size	4 points (G1/2)
Operating voltage range	DC5~18V
Inside/outside diameter	Inner diameter inlet 13.3mm Outlet 14.5mm/ Outer diameter 20.1mm
Screw length	12.7mm
Material	Clear PC, black nylon
Water pressure resistance	<1.75MPa
Output pulse high level	>DC4.7V(Input voltage DC 5V)
Output pulse low level	<DC0.5V(Input voltage DC5V)
Insulation resistance	>100MQ
Flow range	(in 1~25L/MIN) 3%
leakproofness	Seal each hole, no leakage and safety check for 1 minute
Flow pulse characteristic	(Hz)=[5.0* Q]±5%(Q-- flow L/min)

Output waveform diagram



Product Highlights

This product is light and convenient in appearance, small in size and easy to install

The inside of the impeller is inlaid with stainless steel beads to prevent wear

Line and water isolation design

Hall components are imported and the valve body is transparent for better observation of water flow and rotor conditions

Connection mode

Red:

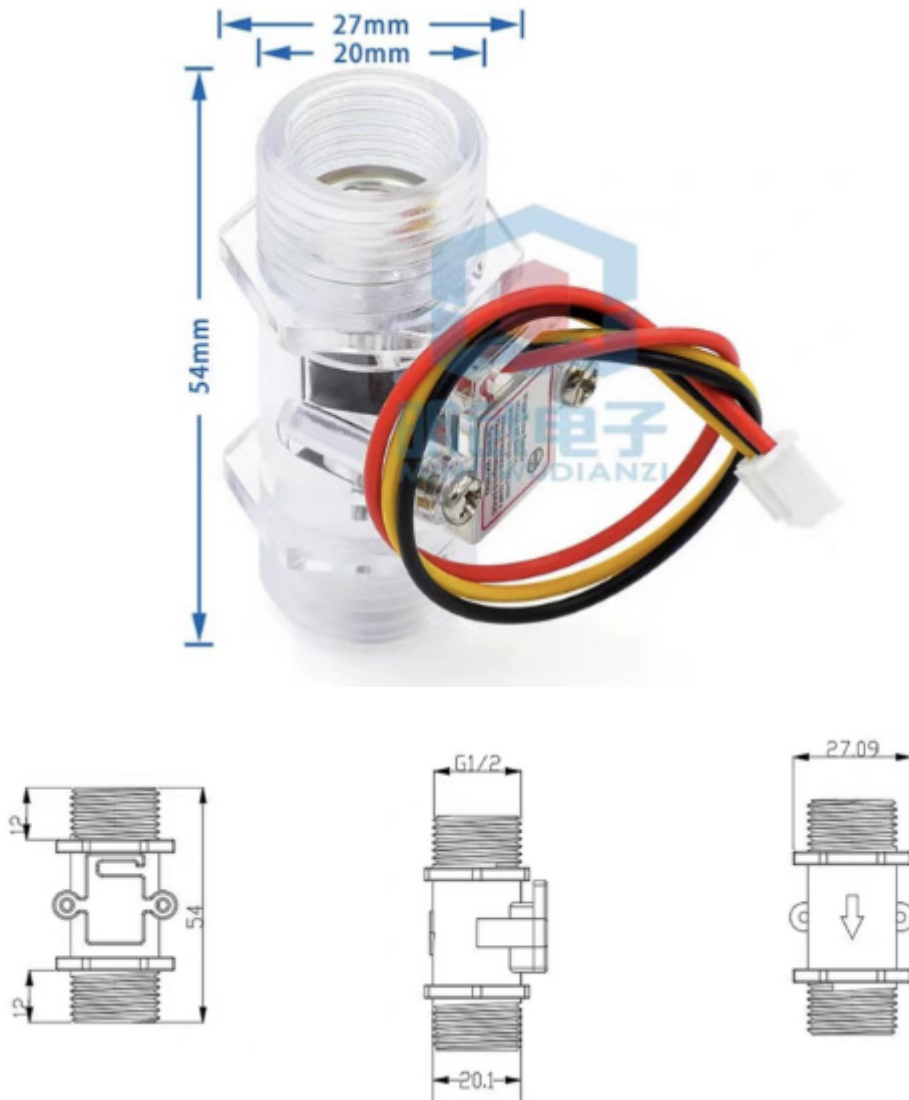
IN is connected to the positive terminal

Yellow: indicates the OUT signal output line

Black: connects the negative terminal GND

Application: It is suitable for water heater, card machine, automatic water dispenser

Dimension



Notes

Violent impact and chemical erosion are strictly prohibited

Throwing or bumping is strictly prohibited

The medium temperature should not exceed 100 degrees

The operating current shall not exceed 10mA

If the water quality is too poor, please add a filter at the inlet end

Do not use beyond the flow range