Savant FS-4400H Flow Sensor, Digital Output

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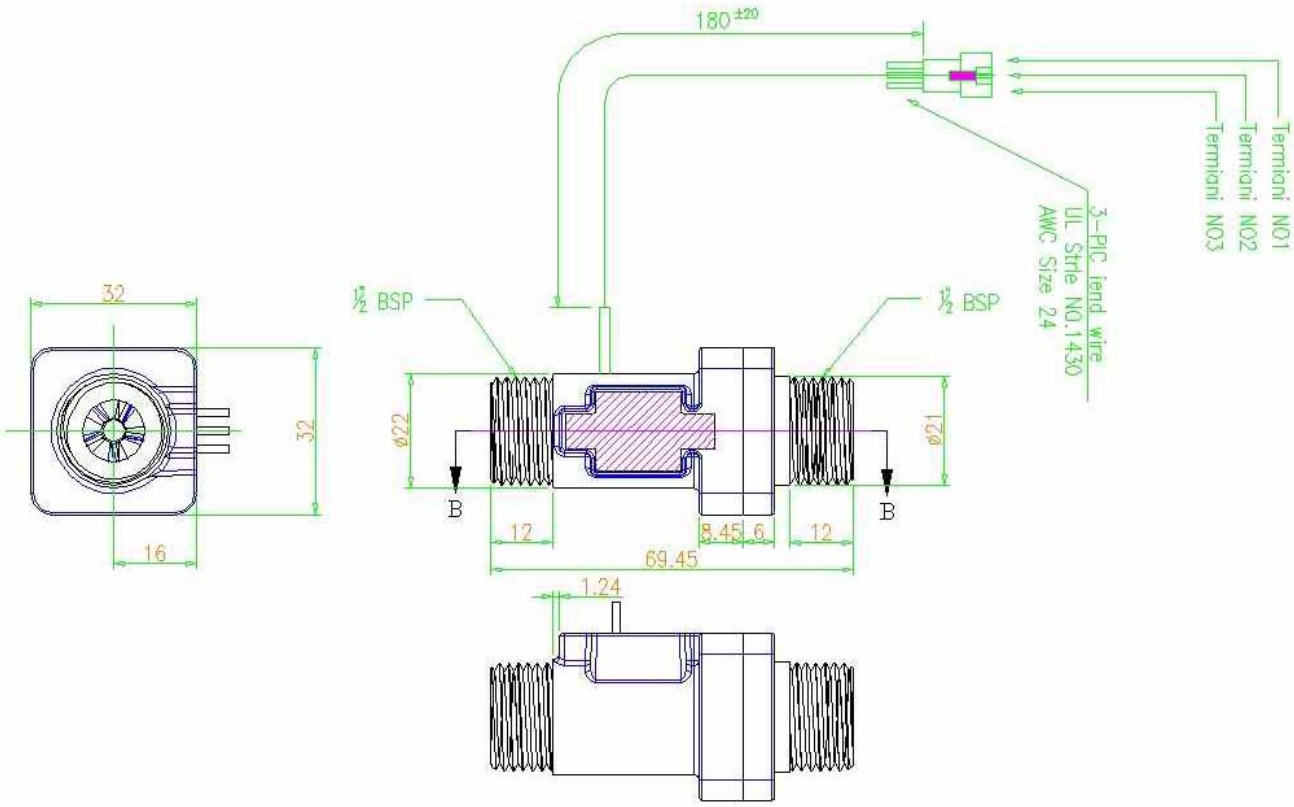
Features :

- ◻ Small and compact dimension
- ◻ Easy connection, 1/2” BSP thread
- ◻ High reliability and durability
- ◻ Installation flexibility : vertical or horizontal
- ◻ Wide rated voltage : 2.4 to 26 VDC
- ◻ Hall effect sensor, digital output

Application :

- ✓ Water heater, boiler and heat pump

1.0 Mechanism :



2.0 Electrical :

Supply voltage : 2.4 – 26 V DC

Supply current : typical 2.8 mA, maximum 8.0 mA.

Output mode : open collector

Output rise time : typical 1.0μsecond. maximum 10μsecond.

Output falling time : typical 0. 3μsecond. maximum 1.5μsecond.

Wire connection : Terminal 1(Red) : Vdd

Terminal 2 (Black) : Gnd

Terminal 3 (Brown) : Vout

Connector : JST compatible, Housing : SMR-03V-N, Terminal : SYM-0001T-P0.6

3.0 Application :

Mounting Method : Horizontal to Vertical

Range of Flow Rate : 1.5 – 25 L/min.

Calibration : (K factor = pulse / liter)

Vertical : K = 260 @ 1.5 – 25 liter/min

Horizontal : K = 230 @ 1.5 liter/min

K = 260 @ 2 – 25 liter/min.

Accuracy : +/- 8%

Maximum working pressure : 1MPa

Burst pressure : 3 MPa

Fluid : Cold / Warm Water

Fluid temperature : 0 ~ 85℃

Environment temperature : -20 ~ 85℃

Body Materials : PA66 with 50% glass fiber

Inside turbine holder : Acetal copolymer (POM)

Turbine : plastic magnet (PA composite)

Turbine stick : #304 stainless steel