

Savant FS-4000H Flow Sensor, Digital Output

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Features :

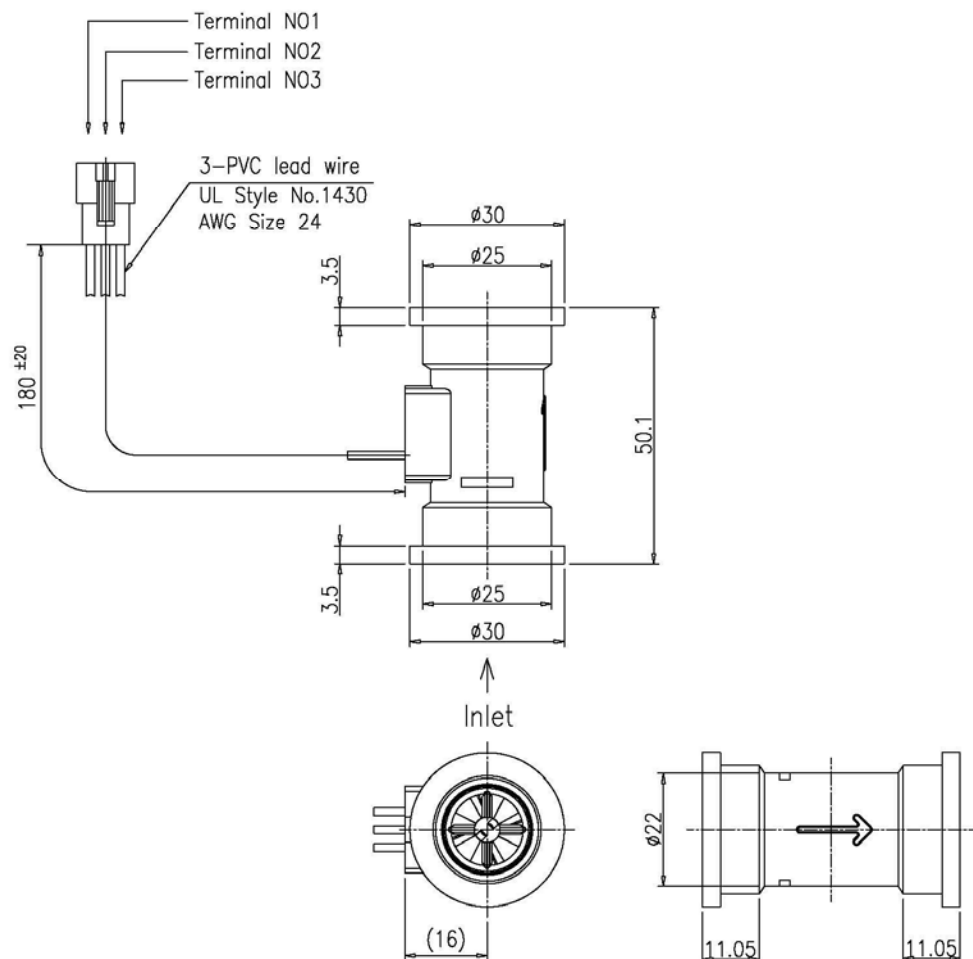
- Small and compact dimension
- High reliability and durability
- Installation flexibility : vertical or horizontal
- Wide rated voltage : 2.4 to 26 VDC
- Hall effect sensor, digital output



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 1.0 μ second. maximum 10 μ second.

Output falling time : typical 0.3 μ second. maximum 1.5 μ second.

Wire connection : Terminal 1 (Red) : Vdd

Terminal 2 (Brown) : Vout

Terminal 3 (Black) : Gnd

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(horizontal mounting) : 6.1 \pm 1.0 pps @ 1.5 Liter/min.
 18.2 \pm 2.0 pps @ 3.0 Liter/min.
 37.2 \pm 3.0 pps @ 6.0 Liter/min.
 89.2 \pm 9.0 pps @ 15.0 Liter/min.
 115.4 \pm 11.0 pps @ 20.0 Liter/min.

Calibration(vertical mounting) : 9.6 \pm 1.0 pps @ 1.5 Liter/min.
 18.4 \pm 2.0 pps @ 3.0 Liter/min.
 37.4 \pm 3.0 pps @ 6.0 Liter/min.
 89.8 \pm 9.0 pps @ 15.0 Liter/min.
 116.3 \pm 11.0 pps @ 20.0 Liter/min.

Maximum working pressure : 1MPa

Fluid : Cold / Warm Water

Fluid temperature : 0 ~ 80°C

Environment temperature : -20 ~ 80°C

Body Materials : PPS with 40% glass fiber

Inside turbine holder : Acetal copolymer (POM)

Turbine : plastic magnet

Turbine stick : ceramic

4.0 Connection

