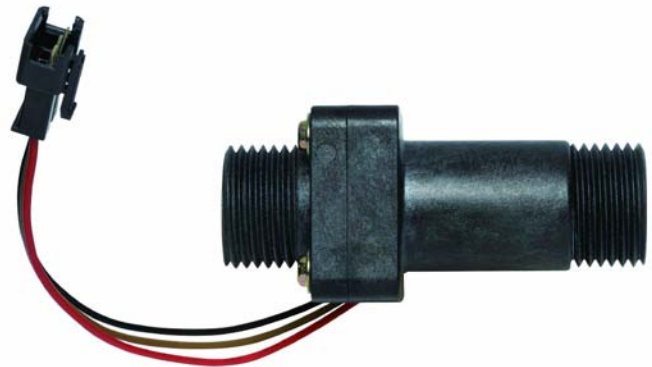


## ZD1200 Flow Sensor

### Features :

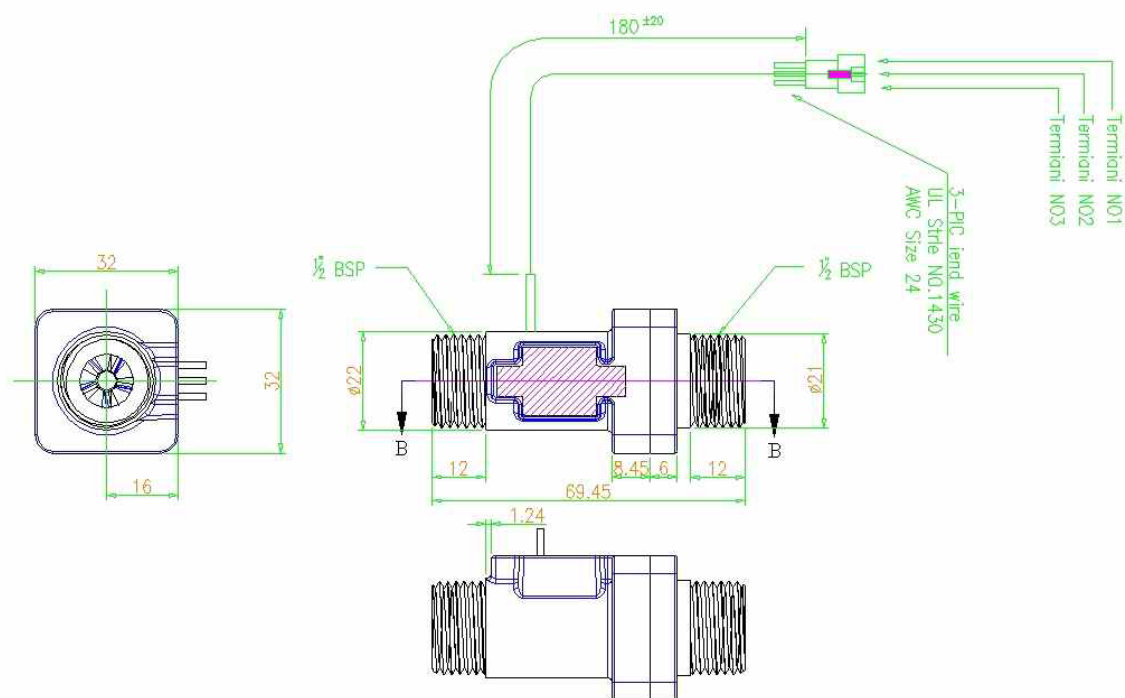
- Small and compact dimension
- Easy connection, 1/2" BSP thread
- High reliability and durability
- Installation flexibility : vertical or horizontal
- Wide rated voltage : 2.4 to 26 VDC
- Hall effect sensor, digital output



### Application :

- ✓ Water heater, boiler and heat pump

### 1.0 Mechanism :



### 2.0 Electrical :

Supply voltage : 2.4 – 26 V DC

Supply current : typical 3.0 mA, maximum 6.0 mA.

Output mode : open collector

Output rise time : typical 1.0 $\mu$ second. maximum 10 $\mu$ second.

Output falling time : typical 0. 3 $\mu$ second. maximum 1.5 $\mu$ second.

Wire connection : Terminal 1 (Red) : Vdd

Terminal 2 (Brown) : Vout

Terminal 3 (Black) : Gnd

### 3.0 Application :

Mounting Method : Horizontal to Vertical

Range of Flow Rate : 1.5 – 25 L/min.

Calibration(horizontal mounting) :    5.1  $\pm$  2.0 pps @ 1.5 Liter/min.  
    13.5  $\pm$  2.0 pps @ 3.0 Liter/min  
    28.7  $\pm$  3.0 pps @ 6.0 Liter/min.  
    42.1  $\pm$  4.0 pps @ 9.0 Liter/min.  
    71.4  $\pm$  7.0 pps @ 15.0 Liter/min.  
    93.9  $\pm$  9.0 pps @ 20.0 Liter/min.

Calibration(vertical mounting) :    7.8  $\pm$  2.0 pps @ 1.5 Liter/min.  
    15.9  $\pm$  2.0 pps @ 3.0 Liter/min  
    29.8  $\pm$  3.0 pps @ 6.0 Liter/min.  
    42.0  $\pm$  4.0 pps @ 9.0 Liter/min.  
    70.4  $\pm$  7.0 pps @ 15.0 Liter/min.  
    93.5  $\pm$  9.0 pps @ 20.0 Liter/min

Maximum working pressure : 1MPa

Fluid : Cold / Warm Water

Fluid temperature : 0 ~ 80 $^{\circ}$ C

Environment temperature : -20 ~ 80 $^{\circ}$ C

Body Materials : PPS with 30% glass fiber