

GE-327 Thermal Flow Switch

GE-327 Thermal Flow Switch is based on two temperature sensors which are positioned within the fluid medium. The unheated sensor registers the liquid temperature. the other sensor is heated a few degrees above the medium, when the medium flows, the heat generated in the sensor is conducted away by the medium. The temperature of the sensor is measured and compared to the temperature of the medium. The state of flow can be derived by the temperature difference. Thermal Flow Controller Switches

Character of thermal flow switch:

- * Remote connectivity, Easy integration with centralized control systems
- * No moving parts - no maintenance is needed
- * One single model is good for multiple pipe size
- * Compact design
- * Low pressure loss
- * LED displays flow trend and switching state
- * 4-20mA and dual setpoint is available
- * **CE certification**

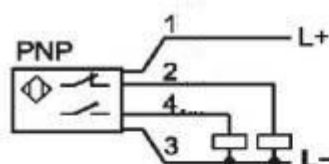
Application of thermal flow switch:

- * Circulating water system,
- * Hydraulic and pneumatic system
- * Pump run-dry protection. Output signal of thermal flow switch

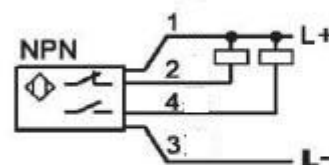


Specification of thermal flow sensor:

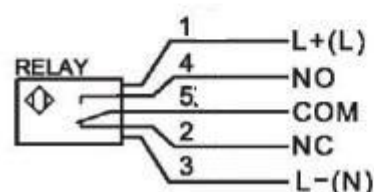
1. Measure Range: 1cm/s ~ 150cm/s(Water);
3cm/s ~ 300cm/s (Oil); 0~50m/s(Gas)
2. Power Supply: DC24V,
3. Output: Relay; NPN; PNP; ; 4~20mA
4. Response time: 2s (1-13s is available)
5. Display: 6 LED
6. Connect Size: G1/2"; G1/4"; NPT1/4"; NPT1/2"
7. Working Temperature: -25C ~ 80C
8. Max Pressure: 100bar 10Mpa
7. Protect Grade: IP67
8. Wiring protection: Reverse polarity,
Over-voltage and Short-circuit



PNP

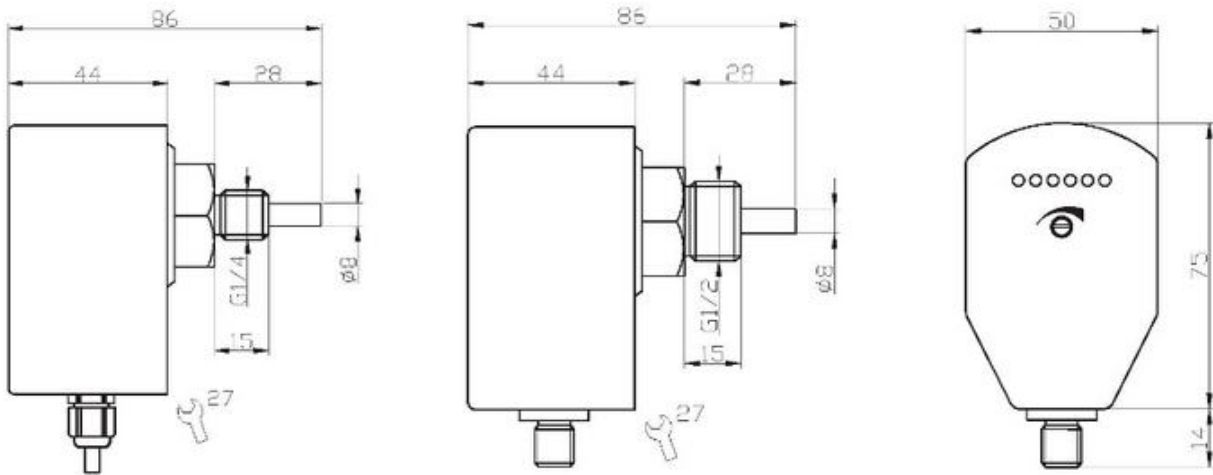


NPN

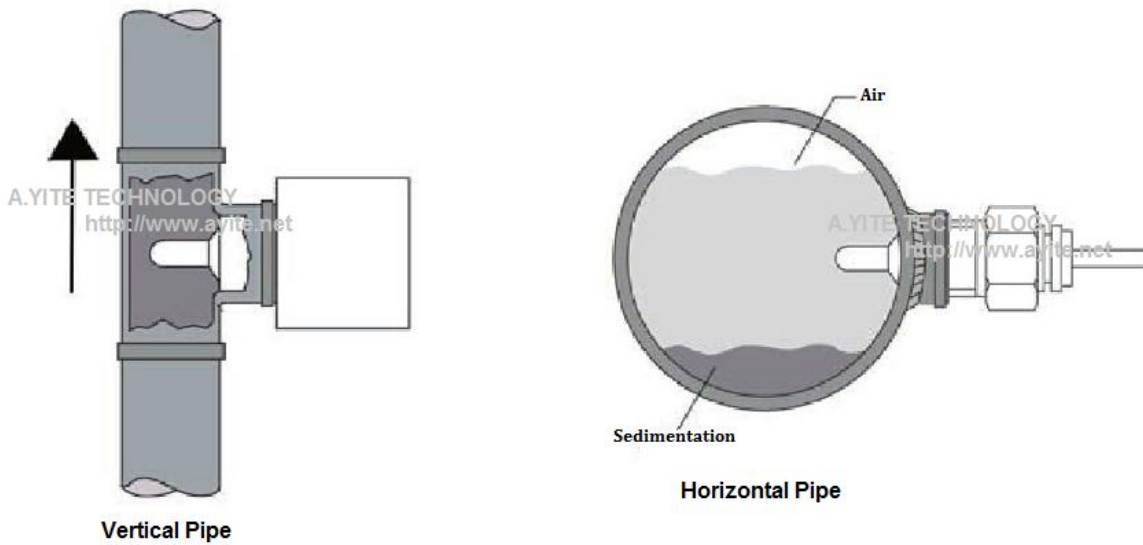


**Relay
Switch**

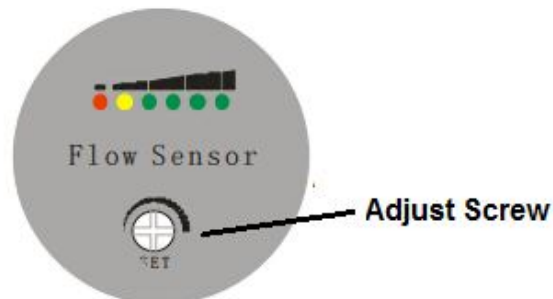
Drawing Dimension of GE-327 thermal flow switch



Installation of GE-327 thermal flow switch



Adjust of GE-327 thermal flow switch



- **Red LED:** lower than the set point
- **Yellow LED:** equal or higher than the set point
- **Green LED:** beyond the set point (1, 2, 3 or 4)

Model Selection of GE-327 thermal flow switch

Type	Connection	Power	Output	Relay	Description
GE-327					Thermal Flow Switch
	G14				Male Thread G1/4"
	G38				Male Thread G3/8"
	G12				Male Thread G1/2"
	M14				Male Thread M14x1.5
	M22				Male Thread M22x1.5
	N14				Male Thread NPT1/4"
	N38				Male Thread NPT3/8"
		D			DC24V ±20% power supply
		A			220V ±15% power supply
		U			110V ±15% power supply
			P		PNP
			N		NPN
			R		Relay
			A		4-20mA
				R	SPDT

* Connection thread could be customized

* Probe length could be customized

A.YITE INSTRUMENT CORP

<http://www.ayite.net>

Email: sales@ayite.net

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