



Series 5 Flow Switches

Now you can sense small flows in liquid or gas lines for less than the price of a movie ticket. Series 5 products are a family of small sensors based on a common part set and principle of operation.

Pressure differential across a movable magnetic poppet

operates a reed switch and/or provides a visible indication of flow through a transparent window.



5-20, 5-21 and 5-21H are the key elements of the Series 5 ERECTA SWITCH product group. When combined with ERECTA accessory components, switch sets are formed providing additional features and extending application possibilities.

4 Although 5s are designed for small flow applications (<under 3 GPM), they can be used in by-pass lines so flow can be sampled and sensed without impeding flow efficiency. As an "in the flow stream" sensor, 5s are only limited by the I.D. of their internal port diameter. Switches are preset, at time of manufacture, to close contact upon increasing flow rate. Set points ranging from .01 GPM to 1.0 GPM are in stock so prompt shipment is not a problem. And you can choose the construction material best suited to your needs. 5s are offered in a choice of Polypropylene, Acetal or Kynar PVOF plastics. Except for the 3/8 NPT boss 5-21H switch, connections to the flow medium are made through accessory adapter fittings. Several pipe thread and hose sizes can be accommodated.

SERIES 5 Flow Switches & Indicators

Monitoring coolant flow, activating equipment at flow turn-on, detecting flow in spray/sprinkler systems are excellent applications for this product. "Check 'em out". 5s are the affordable small flow solution.

Series 5 Flow Switches & Accessories – The Affordable, High-Precision Small Flow Solution

Discover the cost-effective innovation in liquid and gas flow monitoring with our Series 5 Flow Switch family. Engineered to sense small flows for less than the price of a movie ticket, these compact sensors deliver precise, reliable performance for applications under 3 GPM without sacrificing flow efficiency. Based on a common part set and a proven operating principle, Series 5 switches use a pressure differential across a movable magnetic poppet to activate a sensitive reed switch and provide clear, immediate visual flow indication through a transparent window.



Key Product Features Versatile Flow Sensing & Comprehensive Applications:

- **Monitoring Coolant Flow:** Ensure optimal cooling performance in industrial systems by continuously monitoring coolant circulation.
- **Activating Equipment at Flow Turn-On:** Automatically trigger machinery or process equipment when flow is detected, enhancing operational efficiency.
- **Detecting Flow in Spray/Sprinkler Systems:** Provide reliable detection for irrigation, fire suppression, and other spray-based applications.
- **Additional Applications:**
 - **Process Control:** Seamlessly integrate into industrial systems to monitor and regulate fluid dynamics.
 - **By-Pass Flow Sampling:** Utilize as an “in the flow stream” sensor to sample without impeding overall flow efficiency.
 - **Safety Shutdowns:** Trigger alarms or system shutdowns upon detecting abnormal flow conditions to enhance process safety.

Precise, Pre-Set Performance:

- Every switch is factory preset to close contacts upon increasing flow, with available set points ranging from 0.01 GPM to 1.0 GPM for immediate deployment.
- Customizable options allow tailoring to specific applications, ensuring consistent, reliable performance across diverse operational needs.

Robust, Customizable Construction:

- Offered in a choice of high-performance plastics – Polypropylene, Acetal, or Kynar PVOF – designed to withstand demanding chemical and environmental conditions in industrial applications.
- The Series 5 family includes models 5-20, 5-21, and 5-21H within the ERECTA SWITCH group. When combined with ERECTA accessory components, these switches form complete sets that expand application possibilities, accommodating multiple pipe thread and hose sizes via versatile accessory adapter fittings (with the exception of the 3/8 NPT boss 5-21H).

Enhanced Visibility & Ultra Low Flow Sensing:

- The 5-19 Indicator Flow Switch features a unique transparent window that offers immediate visual confirmation of flow, aiding in quick diagnostics and efficient system monitoring.
 - Additionally, the 5-20-LF Low Flow Switch set transforms the 5-20 Angle Body Flow Switch to sense flows as low as 0.042 GPM, delivering unmatched sensitivity for ultra-low flow applications.
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Why Choose Series 5 Flow Switches?

Series 5 Flow Switches are the preferred solution for OEM design engineers seeking a reliable, precise, and affordable small flow sensor. Whether used to monitor coolant flow, activate equipment at flow turn-on, detect flow in spray or sprinkler systems, or integrate into broader industrial process controls, Series 5 delivers the performance, flexibility, and value essential for modern industrial applications. Their adaptability

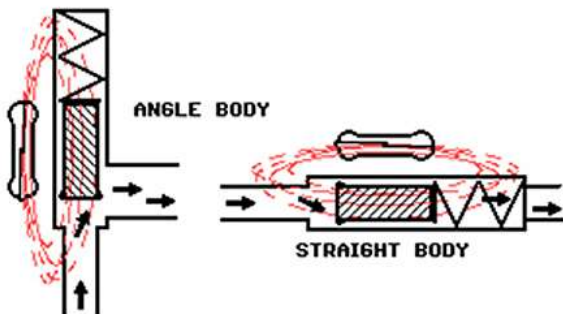
makes them ideal for process control, by-pass flow sampling, and safety shutdown applications—ensuring every critical flow condition is accurately detected and addressed.

Check them out today and experience the affordable, high-precision solution that's setting the standard in flow monitoring.

PAGE 101

SERIES 5 SWITCHES (Water 20°C) * Set Point in GPM	ΔP PSI @ actuation threshold			ΔP PSI @ 3 GPM	
	0.1	.25	0.5	.75	1.0
5-20-□□-□□	.5 30	.6 30	.75 25	1.2 22	1.4 20
5-21-□□-□□	.22 32	.3 31	.4 30.5	.52 30	.7 30
* Set Point in GPM	—	.30	—	.75	—
5-21H-□□-□□	—	.5 20	—	.7 6.5	—

* + - 10% Characteristic performance.



APPLICATION ENVIRONMENT		
Pressure	200 PSI MAX @ 20°C	Derate, Zero @ 90°C
Temperature	90°C MAX	---
Mtg Position	Any W/Spring	Vert W/Spring
Liquid/Gas	Clear	Low Viscosity

ELECTRICAL RATING	
KOFU	
A STANDEX ELECTRONICS JAPAN BRAND	
Contact life	ORD229 Data Sheet: https://standexelectronics.com/technical-library/technical-papers/datasheet-reed-switch-ord229
Contact rating	70 VA*, 50W* *Resistive
UL file	E70063
Standex Electronics Japan Corporation 1088-7, Otsu-machi, Kofu-shi Yamanashi, 400-0055, Japan	
Max Switching Voltage	300AC, 350DC
Max Switching Current	AC 0.5AMP*, DC 0.7AMP*

MATERIALS OF CONSTRUCTION	
All Models PP	(Gray & black) Polypropylene
All Models AC	(Red) Acetal
All Models KR	(Natural) Kynar PVDF

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