

FLOW SWITCH WITH COMPACT RELAY CONTROLLER

FST-211-R
Starts at
\$430



- ✓ Offered in Liquid and Gas Configurations
- ✓ All-Plastic Construction with PP or PVDF Materials for Corrosive Environments
- ✓ Invert Switch Provides Simple NO or NC Relay Operation
- ✓ LED Indicators for Fluid, Relay, and Power Status
- ✓ 0 to 60 Second Time Delay Dampens Out Relay Chatter
- ✓ Fail-Safe Controller Provides Direct Actuation of Pumps, Valves, and Blowers

SPECIFICATIONS

Relay Controller

Supply Voltage: 120/240 Vac 50/60 Hz
Consumption: 0.25 A
Relay Type: (1) SPDT
Relay Current: 10 A, 250 Vac, ½ hp
Relay Mode: NO or NC selectable
Time Delay: 0 to 60 s
Temp Range: -40 to 70°C (-40 to 158°F)
Enclosure Rating: NEMA 4X (IP66)
Enclosure Material: Polypropylene (UL 94VO)
Enclosure Rotation: 300° swivel base
Conduit Connection: ½ NPT
Sensor
Range: 0.04 to 3 ft/s (liquids)
Accuracy: ±5% of setpoint at constant temperature and flow rate
Response Time: 10 s (approx.)
Setpoint Drift with Fluid Temperature: 0.5%/°C
Fluid Temperature: 60°C (140°F)

Max Fluid Pressure: PP or PVDF:
150 psi @ 25°C (77°F) derated @
1.7 psi/°C above 25°C (77°F)
Process Connection: ¾ MNPT
Dimensions: 208 L x 71 mm Dia
(8.2 x 2.8")

APPLICATION

This switch package offers a complete solution for flow or no-flow switching in pipes or ducting up to 0.3 m (12"). The compact relay controller reliably actuates valves, pumps, or blowers rated up to ½ hp. Common applications include low-flow pump or process protection. To complete the instrumentation package, simply select the switch configuration in accordance with the liquid or gas used in your application.

LIQUID APPLICATION VARIABLES

Liquid	Variable	Yes	No
	Clean	✓	
	Slurry	✓	
	Bubbles		✓
	Coating		✓
	Non-Coating	✓	
	Low Viscosity	✓	
	Med. Viscosity	✓	
	High Viscosity		✓
	Low Temperature	✓	
	Med. Temperature		✓
	High Temperature		✓
	Δ Temperature		✓
	Low Velocity	✓	
	High Velocity		✓



FST-211-R, \$430, shown smaller than actual size.

GAS APPLICATION VARIABLES

Gas	Variable	Yes	No
	Low Temperature	✓	
	Med. Temperature	✓	
	High Temperature		✓
	Δ Temperature		✓
	Coating		✓
	Non-Coating	✓	
	Low Velocity	✓	
	High Velocity		✓

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description	Wetted Material	Pipe Size
FST-211-R	\$430	Liquid flow switch with relay	PP/PVDF	¾ to 1½"
FST-212-R	540	Liquid flow switch with relay	PVDF	¾ to 1½"
FST-221-R	440	Liquid flow switch with relay	PP/PVDF	2 to 12"
FST-222-R	550	Liquid flow switch with relay	PVDF	2 to 12"
FST-321-R	440	Gas flow switch with relay	PP/PVDF	¾ to 1½"
FST-322-R	550	Gas flow switch with relay	PVDF	¾ to 1½"
FST-323-R	450	Gas flow switch with relay	PP/PVDF	2 to 12"
FST-324-R	560	Gas flow switch with relay	PVDF	2 to 12"

Flow Switch Fittings, Use with 3" Sensor Only (⅛-½" Pipe and Tubing)

FT-51	\$50	Use with 0.05 to 1.53 GPM range	PP	¾ to 1½"
FT-52	90	Use with 0.10 to 6.53 GPM range	PVDF	¾ to 1½"
CM-4449	75	Reference Book: Valve Selection Handbook		

Comes complete with operator's manual.

Ordering Examples: FST-211-R, CE-approved polypropylene liquid flow switch with relay, \$430.
FST-321-R, PP/PVDF gas flow switch, \$440.

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• Flow and Level

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