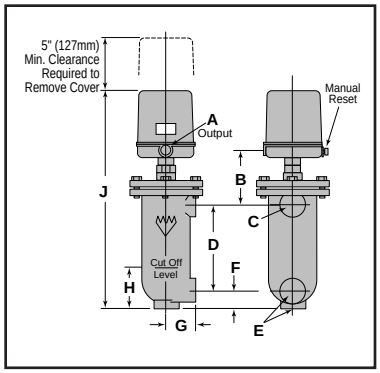
Float Actuated

Series VFS
Liquid Level Controls

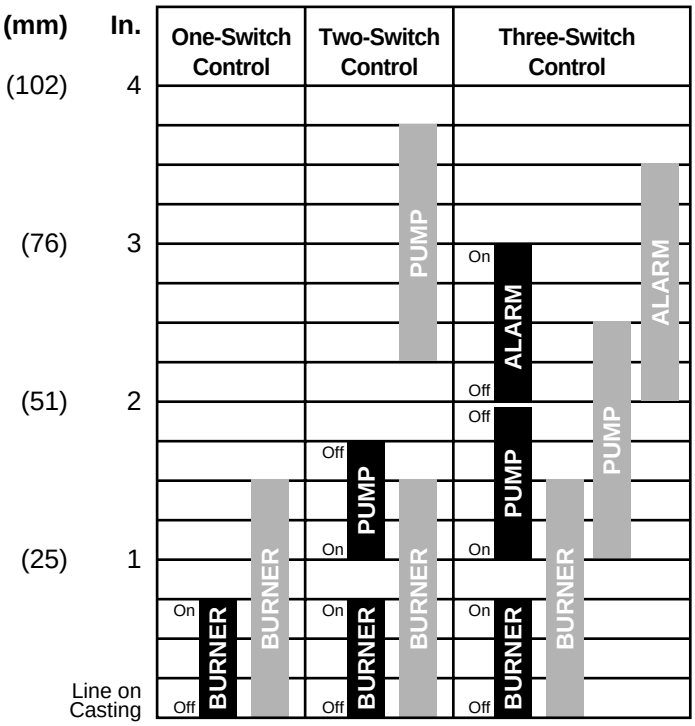
- General purpose NEMA 1 rated liquid level controls for a variety of industrial and commercial applications such as boilers and tanks, high and low alarms and pumps
- Can be used in pairs to start and stop auxiliary equipment between any desired levels
- 1" NPT pipe connection
- ¾" NPT electrical outlet
- Available with snap action switches
- A float operated armature with magnetic switching senses the liquid level
- Switch mechanism is completely sealed from the liquid
- Optional features
  – 2 or 3 switches for actuation of multiple devices
  – Manual reset
- Maximum ambient temperature
  – Series VFS (snap action switch) 110°F (43°C)
- Maximum flooded chamber temperature 360°F (182°C)
- Maximum water temperature 406°F (208°C)
- Maximum pressure 250 psig (17.6 kg/cm²)


Series VFS



Adjustable Operating Levels

Factory minimum setting shown in black, possible field adjustments shown in gray.



Note: Levels may vary from 1/16 - 3/16" (1.6 - 4.8mm)

Electrical Ratings

No. of switches	Voltage	Motor Switch Rating (Amperes) Full Load	Locked Rotor	Pilot Duty
1 or 2 switches	120 VAC 240 VAC	7.4 3.7	44.4 22.2	360 VA at 120 or 240 VAC
3 switches	120 VAC 240 VAC	1.8 .9	— —	
Maximum control rating 2000 VA				

Operating Level Adjustment

Model Number Snap Switch	Reset Operation	Number of Switches
VFS-1A-V	Automatic	One (SPDT)
VFS-1M-V	Manual	
VFS-2A-V	Automatic	Two (SPDT,SPST)
VFS-2M-V	Manual	
VFS-3A-V	Automatic	Three (SPDT,SPST, SPDT)
VFS-3M-V	Manual	

Ordering Information

Model Number	Part Number	Description	Weight lbs. (kg)
VFS-1A-V	180250	Liquid level control w/1 SPDT snap switch	37.0 (16.8)
VFS-1M-V	180240	VFS-1A-V w/manual reset	37.0 (16.8)
VFS-2A-V	180290	Liquid level control w/2 snap switches (1 SPDT & 1 SPST)	37.0 (16.8)
VFS-2M-V	180280	VFS-2A-V w/manual reset	37.0 (16.8)
VFS-3A-V	180330	Liquid level control w/3 snap switches (2 SPDT & 1 SPST)	38.0 (17.2)
VFS-3M-V	180320	VFS-3A-V w/manual reset	38.0 (17.2)

Dimensions, in. (mm)

A NPT	B	C NPT	D	E NPT	F	G	H	J
¾	5⅛ (130)	1	8 (203)	1	1¾ (45)	2⅝ (67)	4 (102)	20¾ (527)