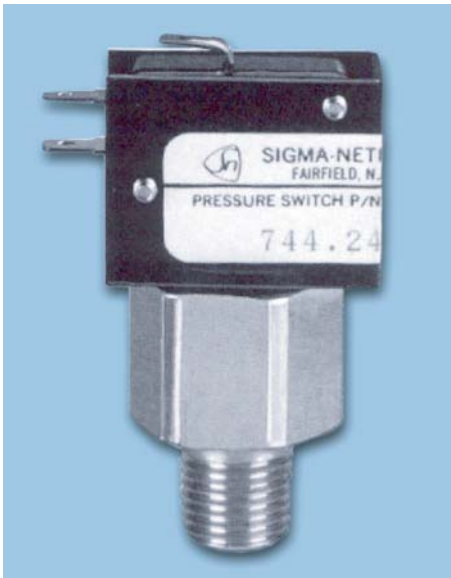


MODEL 744-V

Fixed Setting Design
303 SS Construction
Pressure Range: 8 to 6000 PSIG
Extreme Environments, High Electrical Capacity



DESCRIPTION

Heavy-duty, high electrical capacity, miniature piston-operated pressure switch, ideal for use where limited installation space exists. Integral pressure port snubbing and rugged piston design assures long life, high-over pressure capability, and exceptional accuracy. For use in protected environments. Custom pressure port configurations and electrical connections are available.

FEATURES

- ✓ High-over Pressure Capability
- ✓ High-strength Stainless Steel Construction
- ✓ Pressure Port Snubbing
- ✓ Wide Media Compatibility Range
- ✓ High Shock & Vibration Suitable
- ✓ Wide Operating Temperature Range
- ✓ Custom Configurations
- ✓ UL Listed
- ✓ NEMA Type 4 Rating

APPLICATIONS

- ✓ Off Road Equipment
- ✓ Industrial OEM Equipment
- ✓ Train Braking Systems
- ✓ Compactors
- ✓ Compressors

STANDARD SPECIFICATIONS

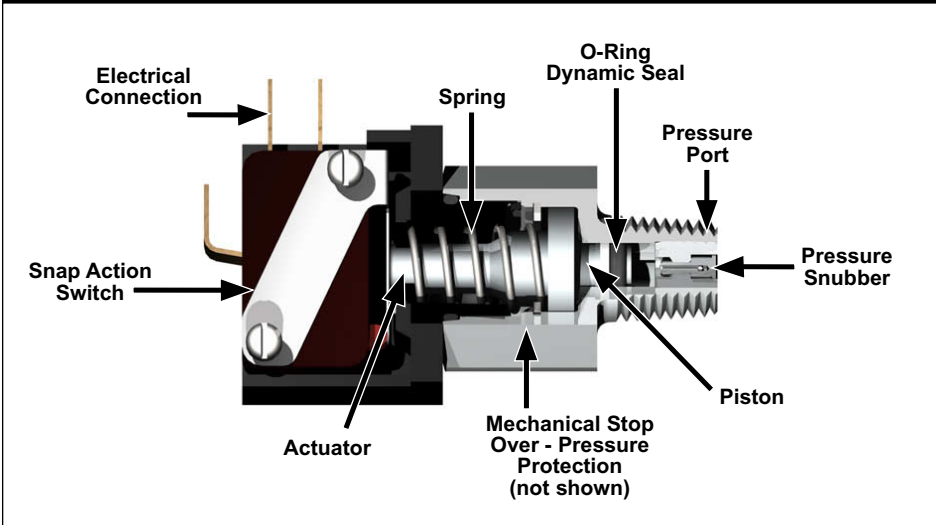
Pressure Connection	Pressure Adjustment	Electrical	Electrical Connection	Seal Materials	Materials	Temperature Range	Shipping Weight
1/4"-18 NPT	Factory Set	Snap-action Electrical Switch Listed by Underwriters Lab and CSA	3/16" QuickConnect Slip-on Terminals	Nitrile (Buna-N) "O"- Ring	Hydraulic Module Housing 303 Stainless Steel	-30°F to + 250°F -30°C to + 120°C	Approximately 3 oz
1/8"-27 NPT							
9/16"- 18 UNJF - 3A		10 Amp 115-230 VAC 10 Amp Resistive 28-32 VDC 10 Amp Inductive 24 VDC 5 Amp inductive 36 VDC 4 Amp Lamp Load 30 VDC	Options Available	Options Available	Electric Module Housing Mineral-Filled Nylon		
Other Options Available							

OPERATING PRESSURE DATA

Series	Range Number	Pressure Range	Tolerance On Set Pressure*	Dead Band*	Max System Pressure	Proof Pressure
744	1	8 - 125	± 1 / ± 5	4 / 14	1500	2250
744	6	50 - 275	± 5 / ± 10	10 / 27	2400	3500
744	2	75 - 500	± 7 / ± 15	15 / 45	3000	4500
744	7	130 - 1000	± 8 / ± 20	20 / 95	3000	8000
744	3	300 - 1500	± 15 / ± 40	45 / 130	4500	6800
744	4	1250 - 3000	± 40 / ± 75	150 / 240	6500	10000
744	5	2500 - 6000	± 75 / ± 125	250 / 425	7500	12000

Note: Pressure in PSIG, *Interpolate for Intermediate Pressures

BASIC PRINCIPLES OF DESIGN



ORDERING SEQUENCE

Series

- 744 - Set pressures between 8 and 6000 PSIG
- See Operating Pressure Data Table

Pressure Connection

- 6 - 9/16"- 18 UNJF-3A (MS33656-E6)
- 2 - 1/4"- 18 NPT (Male)
- 1 - 1/8"- 27 NPT (Male)
- Consult factory for metric and additional configurations

Pressure Range Number

- See Operating Pressure Data table

Type

- V - High Electrical Capacity Fixed Setting Pressure Switch

Electrical Connection

- 01 - SPDT - 3, 3/16" QuickConnect Slip-on Terminals - Standard
- 02 - SPDT - 3, #4-40 Screw Terminals

Set Pressure to be Held on

- R - Rising Pressure
- F - Falling Pressure

Set Pressure

- Specify factory set pressure in 4-place PSIG (Example: 1250 or 0060 for 60 PSIG)

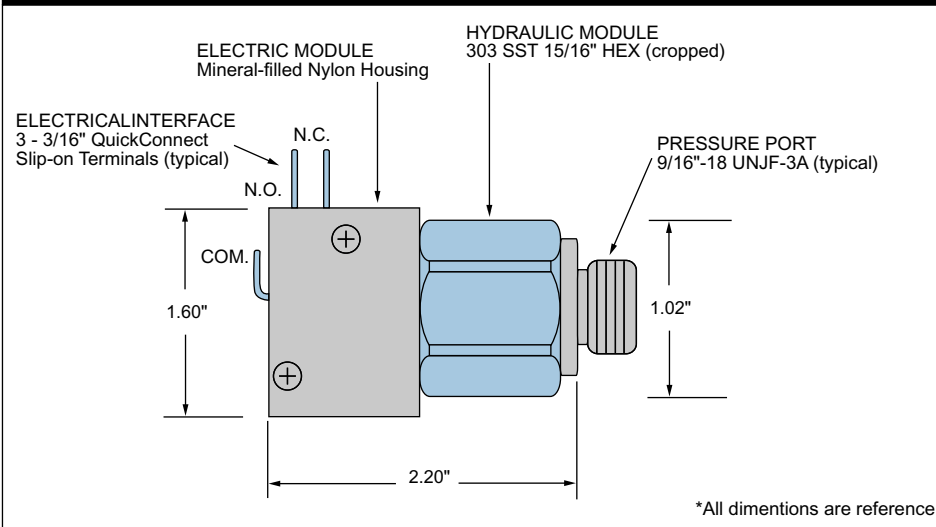
Seal Materials

- N - Nitrile (Buna-N) -Standard
- V - Viton
- E - Ethylene Propylene
- Consult factory for other available materials

Special Items

- 15 Amp 115-230 VAC rating
- Pressure connection
- Seal materials
- Consult factory for special items

ENVELOPE DIMENSIONS



ORDERING PROCEDURE

Series Number	Pressure Port	Pressure Range	Factory Set Pressure Switch	Electrical Connector	Set Pressure Held On	Set Pressure	Seal Material
744.	6	6	V	03	F	0060	N
	.6 = 9/16" 18 UNJF -3A	6 = 50- 275 PSI	V=High Electrical Capacity	03 = SPDT- 3 Terminal Tabs	F = Falling Pressure	60 PSIG	N-Nitrile (Buna-N)

*Insert available option number or letter as required

Example: 744.66-V03F-0060 N