

*Compact Low-Pressure,
High-Sensitivity Design*



DESCRIPTION

The Model 745 Fixed Setting Pressure Switch is a diaphragm-operated model for low-pressure applications that require high-sensitivity and a compact form factor. It thrives in tough environments and withstands oil, fuel, water, dust, vibration, and shock exposures. Standard electrical and pressure port configurations are listed below. Please consult the factory for custom configurations.

FEATURES

- Fixed pressure
- Diaphragm
- IP67 compliant
- Integral pressure port snubbing
- NEMA Type 4 rating

APPLICATIONS

- Off road equipment
- Industrial OEM equipment
- Train braking systems
- Packaging equipment
- Compactors
- Compressors
- Fuel systems
- Pneumatic systems

STANDARD SPECIFICATIONS

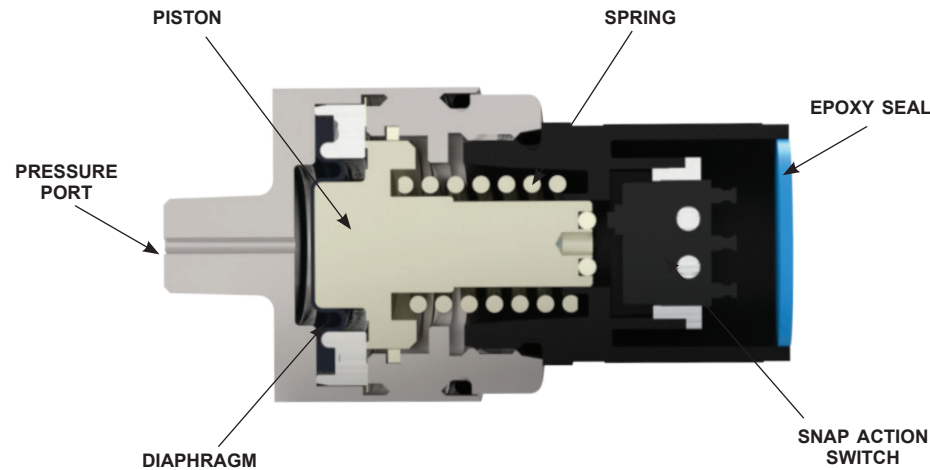
Pressure Connection	Electrical	Electrical Connection	Seal Materials	Materials	Temperature Range	Shipping Weight
1/4"-18 NPT	Snap-action Electrical Switch Listed by UL and CSA	Lead Wire Connectors	Fluorosilicone Contact Factory	Hydraulic Module Housing 303 Stainless Steel	-40°F to + 250°F -40°C to + 120°C	Approximately 3 oz
1/8"-27 NPT						
9/16"-18 UNJF-3A	At 28 VDC: 7 Amps Resistive; 4 Amps Inductive; 2 1/2 Amps Lamp	Single Pole Single Throw (SPST) or Double Throw (SPDT)		Electric Module Housing Polyphenylene Sulfide (PPS)	(Temperature Range Change with Diaphragm Material Selection)	
Options Available						
	Gold Contact Switches available for dry circuit applications	Normally Open (NO), Normally Closed (NC)	Other Options Available			

OPERATING PRESSURE DATA

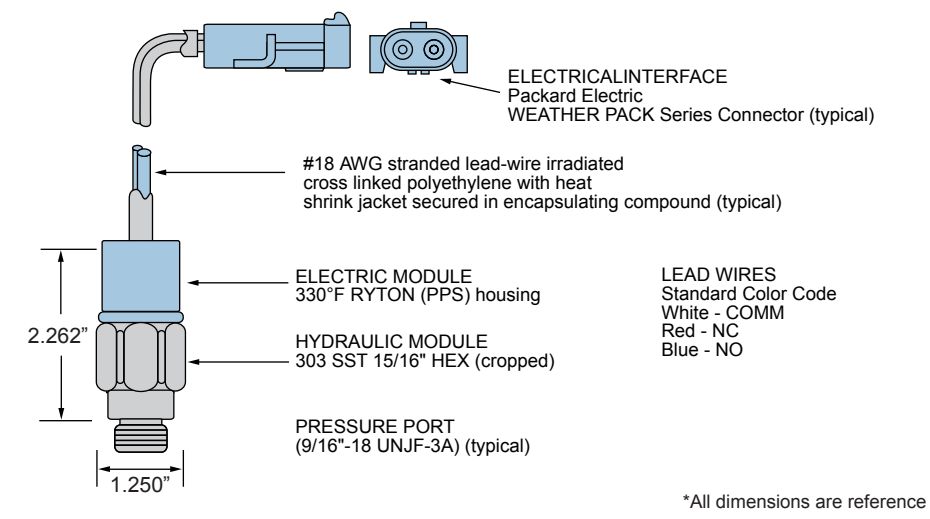
Series	Range Indicator	Pressure Range		Dead Band*		Max System Pressure		Proof Pressure	
		PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR
745	3	8 - 125	0.55 - 8.62	4 / 14	0.28 / 0.97	1500	103	2250	153

*Interpolate for intermediate pressures

BASIC PRINCIPLES OF DESIGN



ENVELOPE DIMENSIONS



ORDERING PROCEDURE

Series Number	Pressure Port	Range Indicator	Pressure Switch Type	Electrical Connector	Set Pressure Held On	Set Pressure	Diaphragm
745	6	3	S	03	F	0060	L
	6 = 9/16"-18 UNJF-3A	6 = 50-275 PSIG	S = Environmentally Sealed	03 = SPDT - 3 Terminal Tabs	F = Falling Pressure	60 PSIG	L - Fluoro-silicone

*Insert available option number or letter as required

Example: 745.63-S03F-0060L

ORDERING SEQUENCE

Series

- 745 - Set pressures between 7 and 160 PSIG
- See Operating Pressure data table

Pressure Connection

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

Pressure Range Number

- See Operating Pressure data table

Type

- S - Environmentally Sealed, Fixed Setting Pressure Switch

Electrical Connection

- 03 - SPDT - 3 Terminal Tabs with #8-32 "SEMS" Screws
- 28 - SPDT - Weather Pack Connector with 4" lead wires (socket)
- 33 - SPDT - 3 #18 AWG lead wires 10" long
- 37 - SPDT - Weather Pack connector with 4" lead wires (pin)
- Consult factory for additional electrical configurations

Set Pressure to be Held on

- R - Rising Pressure
- F - Falling Pressure

Set Pressure

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

Diaphragm

- L - Fluorosilicone
- Consult factory for other options

Special Items

- Wire, cable, and cable length
- Pressure connection
- Seal materials
- Weather-proof connectors
- Gold electrical contacts for low current applications
- Consult rep or factory for special items and configurations