



### DESCRIPTION

The SLBA / SLBF pressure switch is designed with a teflon coated polyimide diaphragm allowing for exceptional use in harsh temperatures with minimal effect to the set point. This switch is ideal for low pressure applications under 500 psi.

### FEATURES

- Silver nickel alloy contacts
- Minimal temperature effect
- Vented internal system
- Compact body

### APPLICATIONS

- Oil pressure switch
- Fuel pressure switch
- Boost pressure switch

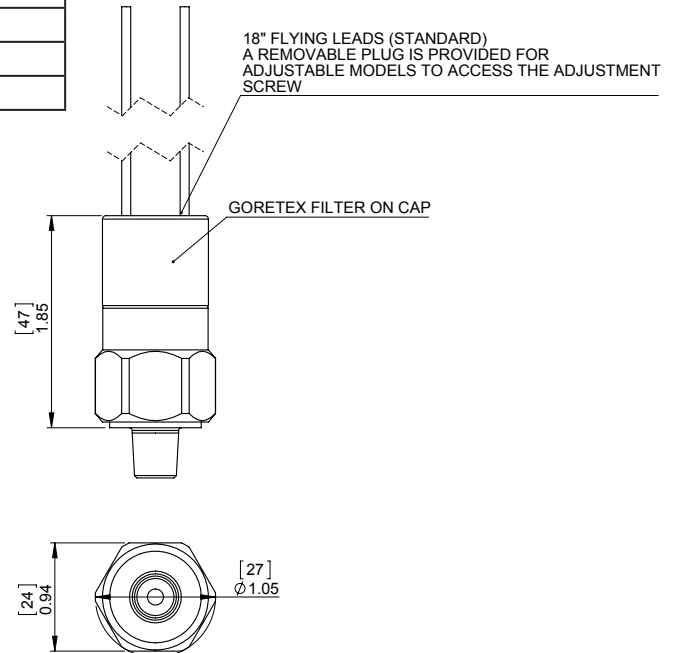
### Specifications

Electrical	100 VA, 42 VDC, Max 4A Optional: Gold Contact (0.4VA, 30VDC)
Switch Type	Blade Contact
Protection	IP68
Media Temperature Range	-40°F to 230°F (-40°C to 110°C)
Ambient Temperature Range	-40°F to 248°F (-40°C to 120°C)
Mechanical Life Expectancy	1,000,000 Cycles @ 75 PSI (5.2 BAR)
Diaphragm Material	Teflon coated polyimide
Housing Material	Brass
Seals	EPDM
Maximum Overpressure	500 psi (34 BAR)
Repeatability	+/- 3% of full set point range at 20°C (68°F)
Weight	0.16 lbs (0.07 kg)

### Pressure Range

MODEL	ADJUSTMENT RANGE	
	PSI	BAR
1	2 - 20	0.1 - 1.4
2	20 - 60	1.4 - 4.2
3	50 - 130	3.5 - 9.0

### Dimensions



### Wiring Code

CONTACT	FLYING LEADS	FLWF WEATHERPACK	FLDR / FLDP DEUTSCH RECEPTACLE / PLUG
COMMON	BLACK	PIN A	PIN 1
NORMALLY CLOSED	BLACK	PIN B	PIN 2
NORMALLY OPEN	BLACK	PIN B	PIN 2

## Ordering Information

### Field Adjustable

SLBA - <sup>1</sup>1 - <sup>2</sup>2M - <sup>3</sup>A - <sup>4</sup>FL - <sup>5</sup>2 - <sup>6 (Optional)</sup>7

### Factory Preset

SLBF - <sup>1</sup>30F - <sup>2</sup>2M - <sup>3</sup>A - <sup>4</sup>FL - <sup>5</sup>2 - <sup>6 (Optional)</sup>7

### 1 - Pressure Selection:

Field Adjustable - Select Model Code

MODEL	ADJUSTMENT RANGE	
	PSI	BAR
1	2 - 20	0.1 - 1.4
2	20 - 60	1.4 - 4.2
3	50 - 135	3.5 - 9.0

OR

Insert set point value XXXX followed by: R, F, BR, or BF

Set point	Direction	Description
XXXX	<b>R</b>	PSI Rising Pressure
	<b>F</b>	PSI Falling Pressure
	<b>BR</b>	BAR Rising Pressure
	<b>BF</b>	BAR Falling Pressure

### 2 - Thread Options:

2M - 1/8 NPT male

### 3 - Circuit:

- A - SPST (Normally Open)
- B - SPST (Normally Closed)

### 4 - Electrical Termination:

- FL - Flying Lead 18" long, 18 AWG, IP68 cap is standard with this option
- FLWF - Flying Lead Weatherpack connector, female, Tower, 10" long leads
- FLWM - Flying Lead Weatherpack connector, male, Shroud, 10" long leads
- FLDP - Flying Lead Deutsch connector, plug, 10" long leads
- FLDR - Flying Lead Deutsch connector, receptacle, 10" long leads
- FLCM - Flying Lead Metripack, male, 150 series, 10" long leads
- FLCF - Flying Lead Metripack, female, 150 series, 10" long leads
- FLPM - Flying Lead Metripack, male, 280 series, 10" long leads
- FLPF - Flying Lead Metripack, female, 280 series, 10" long leads

### 5 - Seal Material:

2 - EPDM Seal

### 6 - Options (Omit if not required):

- 7 - Gold Contact, 0.4VA, 30 VDC
- SR - Snubber



Note: Please see page 63 for other available options