

### Benefits

- ❖ High pressure switch, all plastic construction (glass loaded nylon)
- ❖ Alternate diaphragm and connectors available for volume orders

- ❖ Excellent repeatability
- ❖ Switches have adjustable pressure and differential
- ❖ Specific settings can be set for volume orders
- ❖ IP65 enclosures class II double insulated

6702 -     - 0 0 0 0

#### 1. Model Number

#### 2. Operating Pressure

- A 20 - 50 PSI (1.40 - 3.45 Bar) Red Spring
- B 40 - 100 PSI (2.76 - 6.89 Bar) White Spring
- C 80 - 200 PSI (5.52 - 13.79 Bar) Blue Spring

#### 3. Additional Operating (Springs)

- A 20 - 50 PSI (1.40 - 3.45 Bar)
- B 40 - 100 PSI (2.76 - 6.89 Bar)
- C 80 - 200 PSI (5.52 - 13.79 Bar)
- D 20 - 50 PSI (1.40 - 3.45 Bar) & 40 - 100 PSI (2.76 - 6.89 Bar)
- E 40 - 100 PSI (2.76 - 6.89 Bar) & 80 - 200 PSI (5.52 - 13.79 Bar)
- F 80 - 200 PSI (5.52 - 13.79 Bar) & 20 - 50 PSI (1.40 - 3.45 Bar)
- G 20 - 50 PSI (1.40 - 3.45 Bar) & 40 - 100 PSI (2.76 - 6.89 Bar) & 80 - 200 PSI (5.52 - 13.79 Bar)
- Z No additional springs supplied

#### 4. Electrical Microswitching Rating

- A 21A 250V ac Silver Change Over Contacts
- B 0.1A 250V ac Gold Change Over Contacts
- C 0.1A 24V ac/dc Gold Change Over Contacts

#### 5. Packaging and Label Option

- A Herga individually packed in plain carton
- B Herga vacuum form tray (for quantities 10+)

## 6702 Pressure Switch

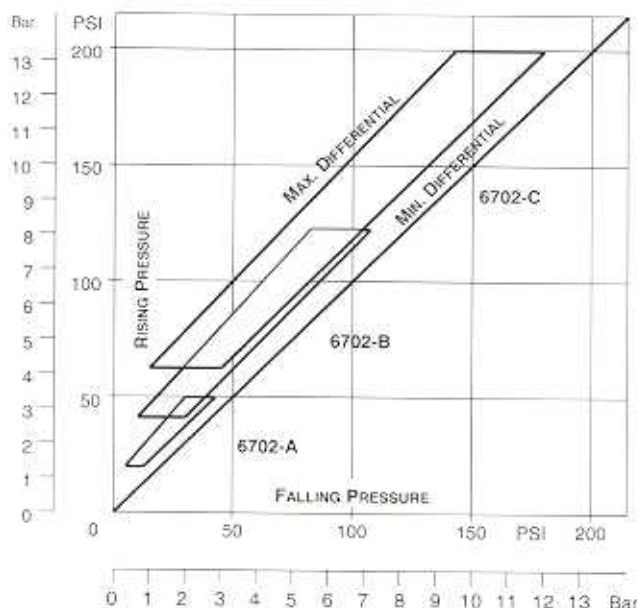
The industrial pressure switch is moulded entirely in plastic with the exception of the pressure connection and is water, oil and dust proof to IP65. The switches have excellent repeat accuracy, even over widely varying ambient conditions.

The operating pressure is adjustable externally using the thumb screw on the top and the approximate pressure setting can be seen through a window in the cover. To discourage unauthorised tampering, the adjusting screw can be locked in position with an M1.5mm Allen screw.

The microswitches have independent vernier adjustment and are normally set to operate within 2 PSI on rising pressure. Where two pressure levels are to be controlled, the switches can be adjusted separately so that one switch will operate at up to 80% of the level of the second. The switches can also be set to operate simultaneously on falling pressure instead of rising pressure.

The pressure switch is of Class II construction with double insulation. For quantity orders, many special options are available, please enquire:-

- Single or double pole switching set to specific pressure levels
- Alternative connector sizes
- Alternative diaphragms and metal chambers to resist particular fluids
- Installation and setting instructions are supplied with each product



Note: differentials are approximate

## Other Information

Withstand pressure	500 PSI (34.5 Bar)
Setting accuracy when set by herga	± 10%
Temperature range	-5°C to +70°C
Diaphragm	Fabric reinforced Nitrile
Weight	300g

## Silver Contact Microswitch Data

Average Life	Mechanical	1.0 x 10 <sup>6</sup>		
Expectancy	Electrical	2.0 x 10 <sup>5</sup> @ 10A 1.0 x 10 <sup>4</sup> @ 21A		
Electrical Rating		Max. Electrical Load		
	Voltage	Res.	Ind.	(Pf 0.75 Motor)
AC	250V	21A		
	250V	21A	8A	1HP
	125V	21A		2HP
DC	6V	21A	21A	
	12V	15A	15A	
	24V	8A	7A	
	60V	1A	0.5A	
	110V	0.5A	0.2A	
	220V	0.25A	0.1A	

## Gold Contact Microswitch Data

Average Life	Mechanical	1.0 x 1.0 <sup>6</sup>		
Expectancy	Electrical	2.0 x 10 <sup>5</sup> @ 10A 1.0 x 10 <sup>4</sup> @ 21A		
Electrical Rating		Max. Electrical Load		
	Voltage	Res.	Ind.	(Pf 0.75 Motor)
AC	250V	0.1A	0.05	N/A
UL/CSA Only	125V	0.1A	-----	-----

Switch Standards: EN 60730, EN 61058 and UL 508

Approvals Available: CE, BEAB, CSA, DEMCO, IMQ, KEMA, NEMCO, OVE, SEMCO, SET I, SEV, UL, VDE

## Suitability for use with different operating media

Pressure Medium	6702
Acetone	<input checked="" type="checkbox"/>
Ammonia (Liquid)	<input checked="" type="checkbox"/>
Amyl Alcohol to 20°C	<input checked="" type="checkbox"/>
Automotive Brake Fluid	<input checked="" type="checkbox"/>
Beer	<input checked="" type="checkbox"/>
Butane	<input checked="" type="checkbox"/>
Carbon Dioxide (Dry)	<input checked="" type="checkbox"/>
Citric Acid	<input checked="" type="checkbox"/>
Copper Sulphate (Sol.)	<input checked="" type="checkbox"/>
Compressed Air	<input checked="" type="checkbox"/>
Cutting Oil	<input checked="" type="checkbox"/>
Diesel Oil	<input checked="" type="checkbox"/>
Detergent Solution	<input checked="" type="checkbox"/>
Fuel Oil	<input checked="" type="checkbox"/>
Glycol	<input checked="" type="checkbox"/>
Hydraulic Oil	<input checked="" type="checkbox"/>
Hydrogen	<input checked="" type="checkbox"/>
Lubricating Oil	<input checked="" type="checkbox"/>
Milk	<input checked="" type="checkbox"/>
Mineral Oil	<input checked="" type="checkbox"/>
Natural Gas	<input checked="" type="checkbox"/>
Oxygen to 70°C	<input checked="" type="checkbox"/>
Petrol	<input checked="" type="checkbox"/>
Plating Solution (Chrome)	<input checked="" type="checkbox"/>
Salt Water	<input checked="" type="checkbox"/>
Sewage	<input checked="" type="checkbox"/>
Turpentine	<input checked="" type="checkbox"/>
Vinegar	<input checked="" type="checkbox"/>
Water	<input checked="" type="checkbox"/>

✓ = Recommended      ☑ = Suitable with modifications

**Note:** Dry Switching - if switching low power circuits, low current (4 to 100 milliamperes) and low voltage (below 30V), consult herga or refer to gold contact in section 4 of the opposite page.

Herga do not accept liability for any pressure operated device used outside the pressure range specified by the company.