490 SERIES COMPACT LIGHTWEIGHT PRESSURE SWITCH
Field adjustable pressure ranges up to 3000 PSI
Dual spring design for accuracy & stability
Piston design to allow high proof pressures
Suitable for altitude ranges from -1000 to 50,000 ft
Designed to meet FAA’s 15 min flame test requirements

654 SERIES ULTRA LOW PRESSURE, VACUUM & DIFFERENTIAL PRESSURE SWITCH
Low ranges down to 0.01 PSI
Lightweight aluminum construction
Design suitable for both wet and dry media
Fully enclosed design for harsh environments
SPDT & DPDT electrical switch options available

658 SERIES DUAL DIFFERENTIAL PRESSURE SWITCH
Factory set, tamper proof
Light weight aluminum construction
Dual spring design for accuracy & stability
Fully enclosed design for harsh environments
One piece fully supported diaphragm to achieve both low set-point and high proof pressure

670 SERIES PRESSURE & VACUUM SWITCH
Factory set, tamper proof
Dual spring design for accuracy & stability
Lightweight aluminum or stainless steel housing available
Stainless steel model designed to meet FAA’s 15 min flame test requirements
One piece fully supported diaphragm to achieve both low set-point & high proof pressure

680 SERIES PRESSURE & VACUUM SWITCH WITH INTEGRATED ELECTRICAL CONNECTOR
Lightweight aluminum construction
Fully integrated electrical connector
Double pole, double throw switching option
Excellent operating temperature range from -65 to +400F
Wide selection of pressure ports & configurations for easy installation
### FEATURES / BENEFITS
- Lightweight, aluminum body, pressure switch
- Dual-spring design for accuracy and stability
- Field adjustable
- Suitable for altitude ranges from -1000 ft to 50'000 ft
- Designed to meet FAA’s 15 min. flame test requirement
- Piston design to allow high proof pressure

### SPECIFICATIONS

#### MECHANICAL
- Standard Tolerance: +/- 10%
- Switch Type: SPDT (single pole / double throw)
- Switching Medium: Air or compatible fluids
- Mechanical Life: 100,000 cycles
- Set-Point Ranges: 3.0 to 3000 PSI
- Proof Pressure: 4500 PSI
- Hysteresis: 10% to 40% of set point
- Operating Temp.: -65 to 180 DEG F

#### PHYSICAL
- Case Material: 2024T351 Aluminum Gold Anodized or 303 Stainless Steel
- Seal: Varies by option - See part number system below
- Piston: 303 Stainless Steel
- Pressure Port: Many standard ports - See part number system below
- Electrical Connections: Wire leads or Mate n Lok 1-480701
- Weight: Less than 2 ounces

<table>
<thead>
<tr>
<th>Series</th>
<th>Type</th>
<th>Housing</th>
<th>Seal</th>
<th>Electrical Output</th>
<th>Electrical Connection</th>
<th>Pressure Port</th>
<th>Set-Point (PSI)</th>
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<td>3.0 - 3000 PSI</td>
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<td>3 - Amp Mate-N-Lok 1-480700</td>
<td>C - An816-4d</td>
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**Highlights**

- Lightweight, aluminum body, pressure switch
- Dual-spring design for accuracy and stability
- Field adjustable
- Suitable for altitude ranges from -1000 ft to 50’000 ft
- Designed to meet FAA’s 15 min. flame test requirement
- Piston design to allow high proof pressure

**Made in USA**
654 Series Ultra Low Pressure, Vacuum & Differential Switch

**FEATURES / BENEFITS**

- Lightweight, aluminum construction
- Low pressure ranges
- Fully enclosed design for harsh environments
- Wet / Wet ability
- SPDT & DPDT electrical switch options available

**SPECIFICATIONS**

**MECHANICAL**

- Standard Tolerance: +/- 10%
- Switch Type: SPDT (single pole / double throw) or DPDT (double pole / double throw)
- Switching Medium: Air or compatible fluids
- Mechanical Life: 100,000 cycles
- Set-Point Ranges: .01 to 6 PSI
- Proof Pressure: 75 PSI
- Hysteresis: 10% to 50% of set point
- Operating Temp.: -65 TO 350 DEG F

**PHYSICAL**

- Case Material: 2024T351 Aluminum, Gold anodized
- Seal: Varies by option - See part number system below
- Diaphragm: Mylar
- Pressure Port: Varies by option - See part number system below
- Electrical Port: Wire leads or Mate n lok 1-480701
- Weight: Less than 6 ounce

**ELECTRICAL**

- Current Rating: Resistive 5 AMP
- Operating Voltage: 30VDC

**Determine Your Product Number:**

654 - x - AL - x - xx - x - x - xxxx

Highlighted Options Standard

<table>
<thead>
<tr>
<th>Series</th>
<th>Type</th>
<th>Housing</th>
<th>Seal</th>
<th>Electrical Output</th>
<th>Electrical Connection</th>
<th>Pressure Port</th>
<th>Set-Point (PSI)</th>
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<td>DP - DPDT</td>
<td>2 - 12&quot; leads</td>
<td>B - 1/4&quot; MNPT</td>
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<td>D - Differential</td>
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<td>4 - Amp Mate-N-Lok 1-480701</td>
<td>C - An816-4d</td>
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658 Series Dual Differential Pressure Switch

**FEATURES / BENEFITS**
- Lightweight, aluminum construction
- Dual-spring design for accuracy and stability
- One piece fully supported diaphragm to achieve both low set-points and high proof pressures
- Factory set, tamper proof
- Fully enclosed design for harsh environments

**SPECIFICATIONS**

**MECHANICAL**
- **Standard Tolerance**: +/- 10%
- **Switch Type**: SPDT (single pole / double throw)
- **Switching Medium**: Air or compatible fluids
- **Mechanical Life**: 100,000 cycles
- **Set-Point Ranges**: 40 to 500 PSI
- **Proof Pressure**: 3500 PSI
- **Hysteresis**: 5% to 30% of set point
- **Operating Temp.**: -65 TO 300 DEG F

**PHYSICAL**
- **Case Material**: 2024T351 Aluminum, Gold anodized
- **Seal**: Buna n
- **Diaphragm**: Silicone
- **Pressure Port**: Varies by option - See part number system below
- **Electrical Connections**: Varies by option - See part number system below
- **Weight**: Less than 6 ounces

**ELECTRICAL**
- **Current Rating**: Resistive 5 AMP
- **Operating Voltage**: 30VDC

**Series | Type | Housing | Seal | Electrical Output | Electrical Connection | Pressure Port | Set-Point (PSI)**
--- | --- | --- | --- | --- | --- | --- | ---
658 | P - Pressure | AL - Aluminum | 1 - Buna n | SP - SPDT | 1 - Amp 6-p | A - 1/8” MNPT | 40-500 PSI
V - Vacuum | ST - Stainless Steel | 2 - Ethylene Propylene | 2 - 12” leads | DP - DPDT | 3 - Amp Mate-N-Lok 1-480700 | B - 1/4” MNPT | 40-500 PSI
D - Differential | | 3 - Mylar | 4 - Amp Mate-N-Lok 1-480701 | | 5 - MS3102-10SI-3P | C - An816-4d | 40-500 PSI
| | 4 - Neoprene | 6 - Mylar | | | 6 - MS3112E10-6P | D - An10050-4 | 40-500 PSI
| | 5 - Silicone | 7 - Silicone | | | 7 - MS33678-10SI-3P | E - Imperial 1/4” plastic | 40-500 PSI
| | | 8 - Stainless Steel | | | | F - MS33656E-6 | 40-500 PSI
| | | | | | | G - MS33648-4 | 40-500 PSI
| | | | | | | H - MS33656E-2 | 40-500 PSI
| | | | | | | I - MS33656E-4 | 40-500 PSI
| | | | | | | J - MS33656E-5 | 40-500 PSI
| | | | | | | K - MS33656E-3 | 40-500 PSI

**Determine Your Product Number:**
- **658 - D - AL - 5 - SP - x - x - xxxx**

Highlighted Options Standard
FEATURES / BENEFITS

- Lightweight, aluminum body, pressure/vacuum switch
- Dual-spring design for accuracy and stability
- One piece fully supported diaphragm to achieve both low set points and high proof pressures
- Factory set, tamper proof
- Stainless Steel model designed to meet FAA's 15 min. flame test requirements

SPECIFICATIONS

### MECHANICAL

- **Standard Tolerance:** +/- 10%
- **Switch Type:** SPDT (single pole / double throw)
- **Switching Medium:** Air or compatible fluids
- **Mechanical Life:** 100,000 cycles
- **Set-Point Ranges:** 1.5 to 400 PSI
- **Proof Pressure:** 1000 PSI
- **Hysteresis:** 10% to 40% of set point
- **Operating Temp.:** -65 to 400 DEG F

### PHYSICAL

- **Case Material:** 2024T351 Aluminum, Gold anodized or 303 Stainless Steel
- **Seal:** Buna n, Neoprene, Silicone or Stainless Steel
- **Diaphragm:** 302 Stainless Steel
- **Pressure Port:** Many standard ports - See part number system below
- **Electrical Connections:** Many standard electrical connections - See part number system below
- **Weight:** Less than 2.5 ounces

### ELECTRICAL

- **Current Rating:** Resistive 5 AMP
- **Operating Voltage:** 30VDC

Determine Your Product Number:

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<td>DP - DPDT</td>
<td>2 - 12&quot; leads</td>
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Highlighted Options Standard
FEATURES / BENEFITS

- Lightweight, aluminum body, pressure/vacuum switch
- Dual-spring design for accuracy and stability
- One piece fully supported diaphragm to achieve both low set points and high proof pressures
- Factory set, tamper proof
- Integrated connector

SPECIFICATIONS

MECHANICAL

- Standard Tolerance: +/- 10%
- Switch Type: SPDT (single pole / double throw) or DPDT (double pole / double throw)
- Switching Medium: Air or compatible fluids
- Mechanical Life: 100,000 cycles
- Set-Point Ranges: 1.5 to 400 PSI
- Proof Pressure: 1000 PSI
- Hysteresis: 10% to 40% of set point
- Operating Temp.: -65 to 400 DEG F

PHYSICAL

- Case Material: 2024T351 Aluminum Gold Anodized or 303 Stainless Steel
- Seal: Buna n, Neoprene, Silicone or Stainless Steel
- Diaphragm: 302 Stainless Steel
- Pressure Port: Many standard ports - See part number system below
- Electrical Connections: Many standard electrical connections - See part number system below
- Weight: Less than 6 ounces

ELECTRICAL

- Current Rating: Resistive 5 AMP
- Operating Voltage: 30VDC

SERIES

<table>
<thead>
<tr>
<th>Series</th>
<th>Type</th>
<th>Housing</th>
<th>Seal</th>
<th>Electrical Output</th>
<th>Electrical Connection</th>
<th>Pressure Port</th>
<th>Set-Point (PSI)</th>
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Determine Your Product Number:

680 - x - xx - x - xx - x - x - xxx

Highlighted Options Standard