Series 1 Pressure Switch

Key Features

- Field Adjustable
- High, Low, Differential & Vacuum Pressure Switch options available
- All Anodized Aluminum Construction
- 316SS Pressure Ports Available
- All Markings Laser Engraved into body for long lasting durability and visibility
- Multiple Electrical Connections Available
- 11amp UL recognized micro switch standard, gold plated contacts and 5amp micro switch also available
- UL & cUL Approved
- NEMA 4, 4x, 13

Operating Specifications

<table>
<thead>
<tr>
<th>Adjustment Range</th>
<th>See Table Below for Options</th>
</tr>
</thead>
</table>

Circuit Form: SPDT

Electrical Ratings:
- 11A (RES/IND) - 1/4 HP @ 125 OR 250VAC
- 5A RES, 3A IND @ 28VDC
- .5A RES @ 28VDC

Pressure Connection: See Ordering Chart Adjacent

Temperature Range: -30°F to 160°F (-34°C to 71°C)

Diaphragm Material: See Ordering Chart Adjacent

Electrical Connection: See Ordering Chart Adjacent

Multi-Conductor: UL 22464, CSA T1 18AWG PVC insulated per UL

Cycle Life: Model 1A, 1C, 1G, 1Z, 1H for moderate to low cycling, Model 1P for high cycling applications

How to Order

(Example: Part Number 1G10N1.43)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>G</th>
<th>10</th>
<th>N1 .43</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Range:
- 01 2 - 15 psi
- 03 5 - 75 psi
- 43 15 - 200 psi
- 53 50 - 450 psi
- 62 50 - 1000 psi
- 63 100 - 1750 psi
- 71 100 - 1800 psi
- 72 200 - 2500 psi
- 73 350 - 3250 psi
- 74 350 - 4250 psi
- 83** 400 - 4000 psi
- 84* 500 - 5000 psi

Diaphragm:
- N1 Nitrile Polyamide
- F1 Viton Polyamide
- F2 Viton Stainless Steel
- F6 Viton Polyamide
- N9* Nitrile SST Piston Teflon

Electrical Connection:
- 10 18" Free leads
- 11 DIN 43650/IP65
- 42 Terminal Strip for Wiring

Pressure Connection:
- A AL 1/2"-14 NPT
- C 316SS 1/4"-18 NPT
- D AL 1/4"-18 NPT
- G AL 1/4"-18 NPT
- H* 316SS 1/4"-18 NPT
- P* AL 1/4"-18 NPT
- Z 316SS1/2"-14 NPT

Options:
- .5 5A Micro Switch
- ** Available only for model 1H (S.S. Piston Pressure Switch)

Wiring Diagram

DIN43650

18” Free leads
BLUE = N.O.
RED = N.C.
BROWN = COM
GREEN = GRD

23400 HWY 435 • Abita Springs, LA 70420 • Ph: (800) 259-6874 • Fax: (985) 893-0807 • sales@mepinc.com • www.pressureswitches.com
Series 1 Pressure Switch

Low Pressure Switch

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Adj. Range</th>
<th>Deadband</th>
<th>Proof Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>1G10N1.12</td>
<td>0.36 - 3.61 psi</td>
<td>0.018 - 0.108 psi</td>
<td>250 psi</td>
</tr>
<tr>
<td>1G10N1.14</td>
<td>2 - 16 psi</td>
<td>0.072 - 0.25 psi</td>
<td>250 psi</td>
</tr>
<tr>
<td></td>
<td>(10&quot; - 100&quot; WC)</td>
<td>(0.5&quot; - 3&quot; WC)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(55&quot; - 443&quot; WC)</td>
<td>(2&quot; - 7&quot; WC)</td>
<td></td>
</tr>
</tbody>
</table>

Terminal Strip

| Part Number | 1X42XX,XX |

Anodized aluminum terminal strip is for wiring a 1/2-14 FNPT conduit fitting. This option is available for any pressure ranges including the differential, vacuum, and high pressure switches.

How to Order

(Example: Part Number 1G10N1.43)

1 G 10 N1 . 43

Dimensional Specifications

Options:

- .5 5A Micro Switch
- * Available only for model 1P (Piston Pressure Switch)
- ** Available only for model 1H (S.S. Piston Pressure Switch)
Series 1 Pressure Switch

**Series 1 Pressure Switch**

### Differential Pressure Switch

<table>
<thead>
<tr>
<th>Part Number</th>
<th>1DXXF1.02</th>
<th>1DXXF1.04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adj. Range</td>
<td>2 - 20 psi</td>
<td>5 - 95 psi</td>
</tr>
<tr>
<td>Max System</td>
<td>400 psi</td>
<td>400 psi</td>
</tr>
<tr>
<td>Proof Hi/Lo</td>
<td>1000 psi</td>
<td>1000 psi</td>
</tr>
<tr>
<td>Proof Lo/Hi</td>
<td>1000 psi</td>
<td>1000 psi</td>
</tr>
<tr>
<td>Pressure Port</td>
<td>AL 1/4-18 FNPT</td>
<td>AL 1/4-18 FNPT</td>
</tr>
</tbody>
</table>

**Also available in 316SS 1/4-18 FNPT process fittings (P/N: 1DCXXXX.XX)**

#### Electrical Connection

10 - 18" Free leads 11 - DIN 43650/IP65

### Vacuum Switch

<table>
<thead>
<tr>
<th>Part Number</th>
<th>1VXXN9.91</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vacuum Range</td>
<td>1 - 28 inHg</td>
</tr>
<tr>
<td>Deadband</td>
<td>0.75-1.50 inHg</td>
</tr>
<tr>
<td>Proof Test</td>
<td>300 psi</td>
</tr>
<tr>
<td>Pressure Port</td>
<td>AL 1/8-27 FNPT</td>
</tr>
</tbody>
</table>

#### Operating Specifications

**Adjustment Range:** See Table on Page 1 for Options

**Circuit Form:** SPDT

**Electrical Ratings:** 11A (RES/IND) - 1/4 HP @125 OR 250VAC
5A RES, 3A IND @ 28VDC
.5A RES @ 28VDC
Optional: 100mA @125VAC, 0.25A @ 6VDC

**Pressure Connection:** See Ordering Chart on Page 1 for Options

**Temperature Range:** -30°F to 160°F (-34°C to 71°C)

**Diaphragm Material:** See Ordering Chart on Page 1 for Options

**Electrical Connection:** See Ordering Chart on Page 1 for Options

**Multi-Conductor Cable:** UL 22464, CSA T1 18AWG PVC insulated per UL 1007, secured with a nylon liquid tight connector

**Cycle Life:** Model 1A, 1C, 1G, 1Z, 1H for moderate to low cycling, Model 1P for high cycling applications

#### Key Features

- Field Adjustable
- High, Low, Differential & Vacuum Pressure Switch options available
- All Anodized Aluminum Construction
- 316SS Pressure Ports Available
- All Markings Laser Engraved into body for long lasting durability and visibility
- Multiple Electrical Connections Available
- 11amp UL recognized micro switch standard, gold plated contacts and 5amp micro switch also available
- UL & cUL Approved
- NEMA 4, 4x, 13
**Key Features**

- Field Adjustable
- Compact Design
- All Anodized Aluminum Construction
- 316SS Pressure Ports Available
- All Markings Laser Engraved into body for long lasting durability and visibility
- Multiple Electrical Connections Available
- 11amp UL recognized micro switch standard, gold plated contacts and 5amp micro switch also available
- UL & cUL Approved
- NEMA 4, 4x, 13

**Operating Specifications**

<table>
<thead>
<tr>
<th>Adjustment Range</th>
<th>See Table Below for Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circuit Form</td>
<td>11A (RES/IND) - 1/4 HP @ 125 OR 250VAC</td>
</tr>
<tr>
<td>Electrical Ratings</td>
<td>5A RES, 3A IND @ 28VDC</td>
</tr>
<tr>
<td>Pressure Connection</td>
<td>Optional: 100mA @ 125VAC, 0.25A @ 6VDC</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>See Ordering Chart Adjacent for Options</td>
</tr>
<tr>
<td>Diaphragm Material</td>
<td>See Ordering Chart Adjacent for Options</td>
</tr>
<tr>
<td>Electrical Connection</td>
<td>See Ordering Chart Adjacent for Options</td>
</tr>
<tr>
<td>Multi-Conductor Cable</td>
<td>UL 22464, CSA T1 18AWG PVC insulated per UL 1007, secured with a nylon liquid tight connector</td>
</tr>
</tbody>
</table>

**Cycle Life**

Model 2A, 2C, 2G, 2Z for moderate to low cycling
Model 2P for high cycling applications

<table>
<thead>
<tr>
<th>Model</th>
<th>Range ID Number</th>
<th>Switch Adjustment Range</th>
<th>Dead Band Approx.</th>
<th>Max System</th>
<th>Proof Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>2A 2Z</td>
<td>.01 2 - 20</td>
<td>0.138 - 1.38</td>
<td>0.2 - 2</td>
<td>0.014 - 0.138</td>
<td>500</td>
</tr>
<tr>
<td>2C 2G</td>
<td>.03 5 - 95</td>
<td>0.34 - 6.55</td>
<td>1 - 6</td>
<td>0.069 - 0.414</td>
<td>750</td>
</tr>
<tr>
<td></td>
<td>.43 15 - 200</td>
<td>1.03 - 13.79</td>
<td>2 - 15</td>
<td>0.138 - 1.03</td>
<td>1000</td>
</tr>
<tr>
<td></td>
<td>.53 50 - 450</td>
<td>3.45 - 31.03</td>
<td>5 - 30</td>
<td>0.345 - 2.07</td>
<td>1500</td>
</tr>
<tr>
<td>2C 2G</td>
<td>.62 50 - 1000</td>
<td>3.45 - 68.95</td>
<td>10 - 50</td>
<td>0.69 - 3.45</td>
<td>2000</td>
</tr>
<tr>
<td></td>
<td>.63 100 - 1750</td>
<td>6.89 - 120.66</td>
<td>20 - 100</td>
<td>1.38 - 6.89</td>
<td>3000</td>
</tr>
<tr>
<td>2P</td>
<td>.70 100 - 1800</td>
<td>6.89 - 124.11</td>
<td>25 - 125</td>
<td>1.72 - 8.62</td>
<td>5000</td>
</tr>
<tr>
<td></td>
<td>.72 200 - 2500</td>
<td>13.79 - 172.37</td>
<td>30 - 150</td>
<td>2.07 - 10.34</td>
<td>5000</td>
</tr>
<tr>
<td></td>
<td>.73 350 - 3250</td>
<td>24.13 - 224.08</td>
<td>50 - 350</td>
<td>3.45 - 24.13</td>
<td>7500</td>
</tr>
<tr>
<td></td>
<td>.74 400 - 4500</td>
<td>27.58 - 310.27</td>
<td>80 - 350</td>
<td>5.52 - 24.13</td>
<td>7500</td>
</tr>
</tbody>
</table>

**Series 2 Pressure Switch**

**How to Order**

(Example: Part Number 2G11N1.63)

2 G 11 N1 .63

**Wiring Diagram**

DIN43650

Pin 1 = N.O.
Pin 2 = N.C.
Pin 3 = COM

18” Free leads
BLUE = N.O.
RED = N.C.
BROWN = COM
GREEN = GRD
Series 6 Pressure Switch

**Key Features**

- Explosion Proof, Rated for Hazardous Areas
- Field Adjustable
- Low Pressure Switch Available
- All precision machined Anodized aluminum Construction
- 316SS Pressure Ports Available
- All Markings Laser Engraved into body for long lasting durability and visibility
- 11amp UL recognized micro switch standard, gold plated contacts and 5amp micro switch also available
- UL Approved
- NEMA 4, 4x, 7, 9

**Operating Specifications**

<table>
<thead>
<tr>
<th>Adjustment Range</th>
<th>See Table Below for Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circuit Form</td>
<td>SPDT (12)</td>
</tr>
<tr>
<td>Electrical Ratings</td>
<td>11A (RES/IND) - 1/4 HP @125/250VAC</td>
</tr>
<tr>
<td></td>
<td>5A RES @ 30VDC</td>
</tr>
<tr>
<td></td>
<td>2x 11A (RES/IND) - 1/4 HP @125/250VAC</td>
</tr>
<tr>
<td></td>
<td>5A RES @ 30VDC</td>
</tr>
<tr>
<td>Pressure Connection</td>
<td>See Ordering Chart Adjacent for Options</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-30°F to 160°F [-34°C to 71°C]</td>
</tr>
<tr>
<td>Diaphragm Material</td>
<td>See Ordering Chart Adjacent for Options</td>
</tr>
<tr>
<td>Electrical Connection</td>
<td>See Ordering Chart Adjacent for Options</td>
</tr>
</tbody>
</table>

**How to Order**

(Example: Part Number 6G12F1.03)

6   G    12    F1 . 03

**Model Range ID**

<table>
<thead>
<tr>
<th>Number</th>
<th>Switch Adjustment Range</th>
<th>Dead Band Approx.</th>
<th>Max System</th>
<th>Proof Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>6A</td>
<td>.01 2 - 15 0.138 - 1.03</td>
<td>0.2 - 4 0.014 - 0.275</td>
<td>500 34.5</td>
<td>1000 68.9</td>
</tr>
<tr>
<td>6C 6G</td>
<td>.03 5 - 75 0.34 - 5.17</td>
<td>0.5 - 8 0.034 - 0.551</td>
<td>750 51.7</td>
<td>1000 68.9</td>
</tr>
<tr>
<td>.43 15 - 200 1.03 - 13.79</td>
<td>2 - 18 0.138 - 1.24</td>
<td>1000 68.9</td>
<td>1250 86.2</td>
<td></td>
</tr>
<tr>
<td>.53 50 - 450 3.45 - 31.03</td>
<td>5 - 33 0.345 - 2.27</td>
<td>1500 103.4</td>
<td>3000 206.8</td>
<td></td>
</tr>
<tr>
<td>.62 50 - 1000 3.45 - 68.95</td>
<td>10 - 55 0.69 - 3.79</td>
<td>2000 137.9</td>
<td>5000 344.7</td>
<td></td>
</tr>
<tr>
<td>.63 100 - 1750 6.89 - 120.66</td>
<td>15 - 110 1.03 - 7.58</td>
<td>3000 206.8</td>
<td>5000 344.7</td>
<td></td>
</tr>
<tr>
<td>.65 200 - 2500 13.79 - 172.37</td>
<td>20 - 175 1.38 - 12.06</td>
<td>3000 206.8</td>
<td>5000 344.7</td>
<td></td>
</tr>
<tr>
<td>.6P .73 350 - 3250 24.13 - 224.09</td>
<td>50 - 400 3.45 - 27.58</td>
<td>7500 517.1</td>
<td>10000 689.5</td>
<td></td>
</tr>
<tr>
<td>.83 400 - 4000 27.58 - 275.29</td>
<td>75 - 500 5.17 - 34.74</td>
<td>5000 344.7</td>
<td>10000 689.5</td>
<td></td>
</tr>
<tr>
<td>.84 500 - 5000 34.47 - 344.74</td>
<td>75 - 500 5.17 - 34.74</td>
<td>7500 517.1</td>
<td>10000 689.5</td>
<td></td>
</tr>
</tbody>
</table>

**Low Pressure Switch**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>6G12N1.12</th>
<th>6G12N1.14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adj. Range</td>
<td>0.36 - 3.61 psi</td>
<td>2 - 16 psi</td>
</tr>
<tr>
<td></td>
<td>(10” - 100” WC)</td>
<td>(55” - 443” WC)</td>
</tr>
<tr>
<td>Deadband</td>
<td>0.027 - 0.144 psi</td>
<td>0.072 - 0.25 psi</td>
</tr>
<tr>
<td></td>
<td>(0.75” - 4” WC)</td>
<td>(2” - 7” WC)</td>
</tr>
<tr>
<td>Proof Test</td>
<td>250 psi</td>
<td>250 psi</td>
</tr>
</tbody>
</table>

* Available only for model 6P (Piston Pressure Switch)

** Available only for model 6H (High Pressure Switch)

- Listed by: Underwriters Laboratories Inc.
  (File No. E123884) Suitable for Class 1, Groups A, B, C, D; Class II, Groups E, F, G.

**Wiring Diagram**

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Series 6 Pressure Switch

How to Order
(Example: Part Number 6G12F1.03)

6 G 12 F1 .03

Range
01 2 - 15 psi
03 5 - 75 psi
43 15 - 200 psi
53 50 - 450 psi
62 50 - 1000 psi
63 100 - 1750 psi
64 200 - 2500 psi
73* 350 - 3250 psi
83** 400 - 4000 psi
84** 500 - 5000 psi

Diaphragm
N1 Nitrile Polyamide
F1 Viton Polyamide
F2 Viton Stainless Steel
F6** Viton Polyamide
N9* Nitrile SST Piston Teflon

Electrical Connection
12 SPDT (Silver)

Pressure Connection
A AL 1/2"-14 NPT
C 316SS 1/4"-18 NPT
D AL 1/4"-18 NPT
G AL 1/4"-18 NPT
H* 316SS 1/4"-18 NPT
P AL 1/4"-18 NPT
Z 316SS1/2"-14 NPT

* Available only for model 6P (Piston Pressure Switch)
** Available only for model 6H (High Pressure Switch)