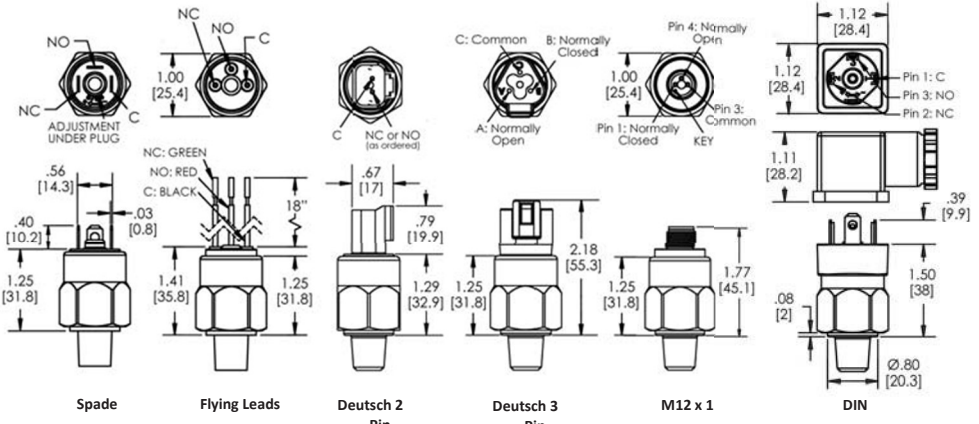
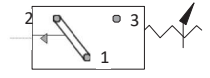


# APA/APF Adjustable Low Pressure Switches



| Model | Adjustment Range |            | Avg. Differential |            | Model | Adjustment Range |            | Avg. Differential |            |
|-------|------------------|------------|-------------------|------------|-------|------------------|------------|-------------------|------------|
|       | PSI              | Bar        | PSI               | Bar        |       | PSI              | Bar        | PSI               | Bar        |
| 1     | 3 - 15           | 0.2 - 1.04 | 2 - 5             | 0.13 - 0.4 | 2     | 15 - 75          | 1.03 - 5.2 | 4 - 7             | 0.27 - 0.5 |
| 1A    | 5 - 30           | 0.3 - 2.1  | 3 - 7             | 0.21 - 0.5 | 3     | 50 - 150         | 3.5 - 10   | 7 - 15            | 0.5 - 1.0  |

|  |   |  |
|--|---|--|
| <b>ELECTRICAL:</b><br>Standard: 5A, 125V/250VAC - U.L. Recognized*<br>5A, 12/24VDC - U.L. Recognized*<br>Option -7: 0.02A, 60VDC - U.L. Recognized*<br>Gold contacts may be required for less than 12 VDC and 20 milliamps<br><br>5A @ 40VDC | <b>PROTECTION:</b><br>Exposed Terminals – IP00<br>DIN HC - IP65<br>Flying Leads, M12, Deutsch Integral - IP69<br><br><b>REPEATABILITY:</b><br>± 2% of full set point range at 70°F (21°C) | <b>TEMPERATURE RANGE:</b><br>Buna – N: -15° to +230°F (-26° to 110°C)<br>EPDM: -10° to +250°F (-23° to 121°C)<br>KAPTON®: -40° to +230°F (-40° to 110°C)<br>VITON®: 0° to +302°F (-18° to 150°C)<br>(® Registered Trademark of DuPont) |
| <b>WETTED MATERIAL:</b><br>Diaphragm: Buna-N (standard)<br>(optional EPDM, KAPTON®, VITON®)  | <b>SWITCH TYPE:</b><br>Snap Action  | <b>MECHANICAL LIFE:</b><br>1,000,000 cycles<br>(optional: 316 Stainless Steel or Nickel Plated Steel)  |
| <b>MANUFACTURER'S OTHER RATING:</b>  | <b>MAXIMUM OVERPRESSURE:</b><br>350 PSI (24 Bar)  | <b>WEIGHT:</b><br>0.15 LBS (0.07 kg)   |

## ORDERIN INFORMATION

| APA                    | - * 2                       | - * R  | - 4M   | - A                                       | - FL   | - * 1  |
|------------------------|-----------------------------|--|--|---|--|--|
| Model                  | Set Point                   | Direction  | Port Size  | Circuit                                   | Terminal   | Options  |
| APA - Field Adjustable | See Above Adjustment Ranges | R - PSI Rising<br>F - PSI Falling<br>BR - Bar Rising<br>BF - Bar Falling | 2M - 1/8 NPT<br>4M - 1/4 NPT<br>4MF - 1/4 NPTF (Male Dryseal thread)<br>2G - 1/8 BSPP<br>4G - 1/4 BSPP (undercut for an o-ring seal)<br>4GS - 1/4 BSPP (no undercut)<br>4S - 7/16X20 SAE MALE<br>4SW - 7/16X20 SAE Swivel<br>6S - 9/16X18 SAE MALE<br>M10 - M10X1*<br>M12 - M12X1.5* | A - SPST / NOB<br>- SPST / NC C -<br>SPDT | SP - 1/4" x 1/32" Spade<br>TS - 6-32 Terminal Screws FL<br>- 18" Flying Leads<br>FLL - Advise additional length of leads if required.<br>FLWTF - Weatherpack Tower Female<br>FLWTM - Weatherpack Tower Male<br>FLWSF - Weatherpack Shroud Female<br>FLWSM - Weatherpack Shroud Male<br>H - DIN 43650A Male Half Only<br>HC - DIN 43650A Cable Clamp<br>HN - DIN 43650A 1/2 Conduit (female)<br>HCC - XXX (Specify Length in Inches)<br>HC11A - DIN Light NO/NC 110V<br>HC11B - DIN Light NO/NC 12VDC<br>HC11C - DIN Light NO/NC 24VDC<br>HC11D - Indicating Light Green/Red (can only be used with SPDT Circuit) DI<br>- Deutsch Integral<br>M12 - M12 X 1<br>PP - Packard Connector | * - Omit If Standard<br>1 - VITON® Diaphragm<br>2 - EPDM Diaphragm<br>3 - KAPTON® Diaphragm<br>4 - 316 SS Housing<br>4A - Steel - Nickel Plated<br>5 - Spiral Restrictor<br>6 - Oxygen Cleaned<br>7 - Gold Contacts<br>UL - UL Recognized**<br>**For Selected Models Only - Consult Factory<br>12 - WRAS Approved<br><br>**** Call Factory for Shrink Wrap Options & Pricing |

