

**PDD  
SERIES DIGITAL PRESSURE SWITCH**



Flow  
Pressure  
Level  
Temperature  
measurement  
monitoring  
control



**P3**

- **Ranges 0-30" Hg Vacuum to 0-5800 PSIG**
- **Fully Programmable with Setpoint, Reset Point and Window Capability**
- **Accuracy  $\pm 0.5\%$  of Full Scale**
- **Large Easy to Read LED Display**
- **Ceramic Pressure Sensing System for High Cycle Life**



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Model:  
**PDD**



### Features

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The PDD series digital pressure switch integrates the latest solid state sensing technology into a very versatile, simple to operate package. Programming features include setpoint, reset point, window mode, pulsation dampening, switch logic, zero (tare) adjustment and user settable lockout code. The ceramic sensing system and solid state transistor switch ensure an exceptionally long cycle life with virtually no calibration drift. These features along with the compact, robust stainless steel package make the PDD an ideal choice for OEM applications.



**PDD Series Digital Pressure Switch**

### Specifications

- Measuring Ranges:** 0-30" Hg vacuum to 0-5800 PSIG
- Display Type:** 3 digit LED
- Switch Status Indicator:** Single red LED, on when pressure is above setpoint
- Accuracy:**  $\pm 0.5\%$  of full scale
- Sensor Element:** Piezo-resistive ceramic
- Operating Temp. Range**  
**Process Medium:** -4 to 176°F  
**Ambient:** -4 to 140°F
- Overpressure Ratings:**  
**-30" Hg to 1450 PSIG:** 2x Max. range  
**>1450 PSIG:** 1.2x Max. range
- Process Wetted Parts**  
**Sensing Element:** Ceramic  
**Connection:** 316L SS  
**O-Ring:** Viton; others available on request

- Housing Material:** 304 Stainless Steel
- Response Time:** 0.5 Sec.
- Dampening:** User programmable averaging over 1, 2, 4, 8, 16, 32 or 64 samples

- Electrical Data**  
**Power Required:** 24 VDC  $\pm 10\%$   
 80 mA + Switch Load
- Switch Type:** Transistor NPN or PNP based on model number

- Switch Rating:** 300 mA Max. short circuit protected
- Switch Logic:** User programmable

- Electrical Connection:** 4-Pin Micro-DC, male
- Electrical Protection:** NEMA 4/IP 65

### Programmable Features

- Zero (Tare)
- Setpoint
- Hysteresis
- Window Mode
- Dampening
- Switching Logic
- Lockout Code



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PDD Series Ordering Codes	
<b>PDD</b>	= Compact Electronic Pressure Switch
<b>153</b>	= PNP transistor switch
<b>253</b>	= NPN transistor switch
<b>N2</b>	= 1/4" NPT
<b>N4</b>	= 1/2" NPT
<b>H315</b>	= -30" to 0" Hg
<b>P025</b>	= 15 PSIG
<b>P045</b>	= 30 PSIG
<b>P055</b>	= 50 PSIG
<b>P065</b>	= 100 PSIG
<b>P075</b>	= 150 PSIG
<b>P085</b>	= 200 PSIG
<b>E</b>	= Special Range
<b>P095</b>	= 350 PSIG
<b>P105</b>	= 600 PSIG
<b>P115</b>	= 1000 PSIG
<b>P125</b>	= 1450 PSIG
<b>P130</b>	= 2000 PSIG
<b>P140</b>	= 3000 PSIG
<b>P150</b>	= 5000 PSIG
<b>P155</b>	= 5800 PSIG
<b>Accessories</b>	
Part#: 807.037 = Mating 4-Pin Micro-DC connector w/ 6ft. cable	
<b>PDD - 253 - N4 - P065</b>	<b>Example</b>

DIMENSIONS

