

# LOW PRESSURE SWITCHING MONITOR

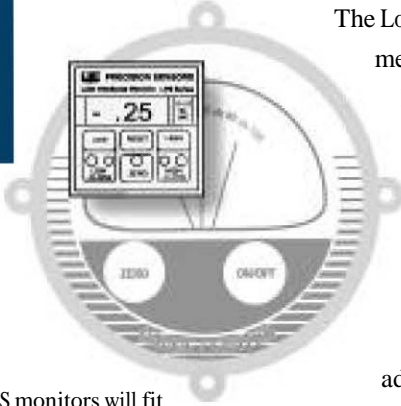
Prevents Unwanted Shutdown

High and Low Limit Monitor

Measures Positive and Negative Pressure



## Low pressure switching monitor



Four LPS monitors will fit in the same space as one older gauge/switch.

The Low Pressure Switching (LPS) Monitor measures differential pressure. High and Low limit alarms are independently set from front panel with configurable low warning and low alarm settings. LED display indicates the sensed pressure. When preset limit is exceeded, the LED signals an alarm condition by turning red. The adjustable “stand alone” time delay prevents intermittent tripping due to brief transient upsets.

### Applications

Hepa Filter Monitor and Alarm  
Exhaust Monitoring  
Coating and Painting Booth  
Clean Room Pressure Monitor  
Ventilating Systems

Fume Hoods  
Level Sensor  
Control Panels  
HVAC Systems  
Filling Systems

### specifications

Indicating Pressure Ranges: 0.2” to 50” WC (50 Pa to 20KPa) F.S.  
Media: Inert non-conductive gas or dry air  
Accuracy: 1% of full scale at 20°C  
Overpressure: ±14.5 psi (80”WC for under 1”WC ranges)  
Operating Temperature: 0°C to 40°C (32°F to 104°F)  
Storage Temperature: -40°C to 60°C (-40°F to 160°F)  
Zero Adjustment: Zero via front panel screw adjustment to ±10% F.S.  
Display: 3.5” digit, 0.30” high red LED  
Analog Output: 4-20 mA current sinking or 0 to 10 VDC  
Enclosure: 1/16th DIN 43700, panel mounted polycarbonate plastic case  
Alarm Relay Contacts: Latching isolated form “A” high and low contacts, 1A @ 30VDC  
Weight: 7.0 ounces (200 grams) max.  
Power: 12-24 VAC/VDC, 1.4 watts  
Wiring: Pluggable terminal block, 18-26 AWG

### features



- Small 1/16 DIN size for easy panel mounting
- Selectable time-delay eliminates nuisance alarm
- LED display of process and high and low alarms
- Isolated form A contacts
- 4-20 mA or 0-10 VDC analog output
- Removable terminal block for 18-26 AWG wire
- Convenient power requirement 12-24 VAC/VDC
- Proven solid state sensors
- Analog circuit design eliminates potential microprocessor software problems
- Compliant with UL 508 and CE EN 61326 EMI requirements
- Compound ranges available
- Available ranges from 0.2” WC to 50” WC (50 Pascal to 20KPa)

## How To Order - LPS Product Designation Code

Low Pressure Monitor — Differential pressure indicator with adjustable switch settings.

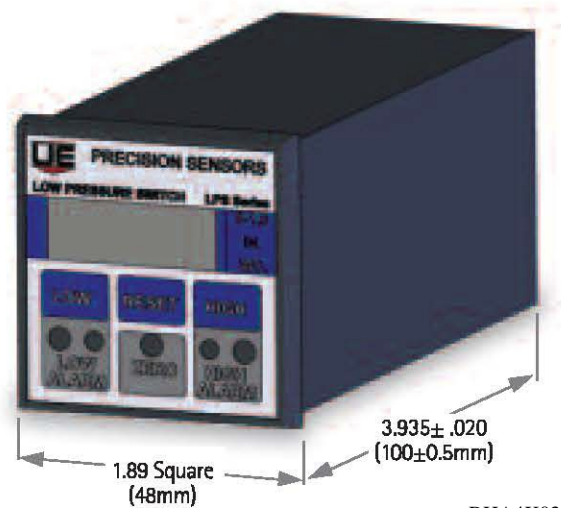
	LPS	2W	N	42	C	-M01
Build a part number by selecting appropriate codes for each feature category. Example: LPS2WN42C-M01	Low-Pressure Analog Switch	Range	Type	Analog Output	Accessories	Option Codes
		2.0"H <sub>2</sub> O	Negative	4-20 mA	Waterproof Cover	Non-Latching Alarm
<b>MODEL</b>	<b>DESCRIPTION</b>					
LPS	12-24 VDC/VAC, 100 mA, 1.4 Watts					
<b>PRESSURE RANGES</b>	Inches H <sub>2</sub> O	Pascals				
R2W	0.2					
R5W	0.5					
1W	1					
2W	2					
5W	5					
10W	10					
20W	20					
50W	50					
R05K		50				
R1K		100				
R2K		200				
R5K		500				
1K		1000				
2K		2000				
10K		10000				
20K		20000				
<b>DISPLAY TYPE</b>						
P	Positive	Zero to + Range				
N	Negative	Zero to - Range				
C	Compound (4-12-20)	- Range to + Range				
<b>ANALOG OUTPUT</b>						
00	None					
10	0-10 Volts					
42	4-20 mA					
<b>ACCESSORIES</b>						
P	Panel Adapter					
C	Waterproof Cover					
<b>OPTION CODES</b>						
M01	Non-Latching Alarm					

3 Year Warranty



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**CONTROLS**  
**Precision Sensors Division**

340 Woodmont Road  
 Milford, CT 06460 USA  
 Telephone: 203 877 2795 Fax: 203 877 8752  
 Email: sales@precisionsensors.com  
 www.precisionsensors.com



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