



PRESSURE

LOW DIFFERENTIAL PRESSURE TRANSMITTERS

DPAM2 SERIES

DESCRIPTION

The Kele DPAM2 Low Differential Pressure transmitters Series are designed for use in OEM or high density DIN Rail panel mounting applications. Key installation features include an integral 35 mm DIN Rail mounting foot, vertically orientated wiring 1/4" brass barb pressure connections, and a pushbutton zero function conveniently located on the front cover. The DPAM2 incorporates a high accuracy, piezoresistive, silicon sensing element which senses differential pressure and provides a linear 4 to 20 mA or 0-5V/0-10V voltage output equal to the specified pressure range.



DPAM2



FEATURES

- Integral 35 mm DIN Rail mounting foot
- Vertically orientated wiring and pressure connections
- Pushbutton zero function located on the front cover
- High accuracy, piezoresistive, silicon sensing element
- De-pluggable terminal block
- Small size
- Five-year warranty

APPLICATION

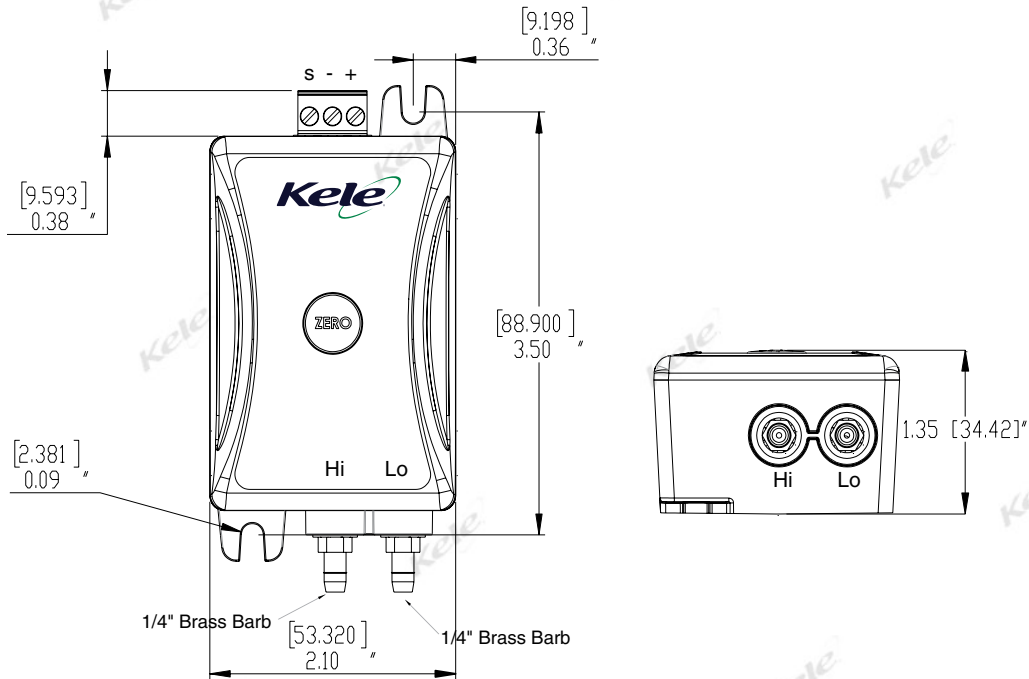
- Building Pressure
- Duct Static Pressure
- Filter Monitoring
- Air Flow Measurement
- Roof Top Units
- Air Handlers
- Clean Rooms
- Isolation Rooms
- Data Center Rooms

SPECIFICATIONS

Supply Voltage		Proof	270" WC (67.2 kPa)
Voltage Output (VDC)		Burst	415" WC (103.3 kPa)
Voltage Output (VAC) 24 VAC \pm 10%, 50/60 Hz		Ranges	>1-10" WC (0.24 to 2.4 kPa)
Current Output		Proof	350" WC (87.12 kPa)
4-20 mA Output 3-Wire, 23 mA minimum (0.83 VA)		Burst	550" WC (136.9 kPa)
VDC Output Signals 3-Wire, 5 mA maximum (0.18 VA)		Ranges	>10" WC (2.488 kPa)
Accuracy \pm 0.5% Full scale		Proof	562" WC (140 kPa)
Signal Output		Burst	1004.7" WC (250 kPa)
4-20 mA 2-Wire Loop Powered (500 Ω @ 24 VDC)		Operating Temperature	32° to 185°F (0° to 85°C)
4-20 mA 3-Wire, VAC Powered (500 Ω @ 24 VDC)		Operating Humidity	10 to 95% RH, non-condensing
0-5 VDC 3-Wire, AC or DC, 5.25 VDC max		Process Connection	1/4" O.D. brass barb
0-10 VDC 3-Wire, AC or DC, 10.25 VDC max)		Wiring	3 Position de-pluggable terminal 14 AWG to 24 AWG
Sensor Type Piezoresistive		Mounting	DIN Rail 35 mm
Adjustments Pushbutton Zero Function (Recommended after 15 minutes warm up)		Enclosure Rating	ABS flame retardant UL94-V0, NEMA1 equivalent
Normal Measurement Range 0.10 to 40" WC, Uni-Directional or Bi-Directional		Dimensions	4.210"H x 2.085"D x 1.340"W (106.94 x 52.96 x 34.04 mm)
Wetted Parts Silicone		Weight	0.17 lb (0.078 Kg)
Media Compatibility Dry air or inert non-conductive gases		Approvals	CE, RoHS, REACH, WEEE
Proof Pressure and Overpressure		Warranty	5 years
Ranges <1" WC (248.84 pa)			



DIMENSIONS



ORDERING INFORMATION

MODEL	DESCRIPTION
DPAM2	Differential Pressure Transmitter
PRESSURE RANGES	
D10	0.10 W.C.
D25	0.25 W.C.
D50	0.50 W.C.
1D0	1.00 W.C.
2D0	2.00 W.C.
2D5	2.50 W.C.
3D0	3.00 W.C.
4D0	4.00 W.C.
5D0	5.00 W.C.
10D	10.00 W.C.
15D	15.00 W.C.
20D	20.00 W.C.
25D	25.00 W.C.
30D	30.00 W.C.
40D	40.00 W.C.
50D	50 Pa
100	100 Pa
300	300 Pa
500	500 Pa
1K0	1000 Pa
1K6	1600 Pa
2K5	2500 Pa
BI-DIRECTIONAL RANGE	
U	Uni-Directional (0 to +)
B	Bi-Directional (+/-)
OUTPUT SIGNAL	
5	0-5 VDC
10	0-10 VDC
20	4-20mA
NIST CERTIFICATION	
N	No NIST Certification
3	NIST Certification 3 Point
5	NIST Certification 5 Point

DPAM2 - 1D0 - U - 5 - N

Example: DPAM2-1D0-U-5-N Differential pressure transmitter 1.00" W.C. Uni-directional 0-5 VDC No NIST

Output Signal	Supply Voltage	Wire Connections		
VDC	AC/DC	VIN	GND	OUT
mA	AC	VIN	GND	OUT
mA	DC	VIN	GND	OUT

