



DESCRIPTION

The **Kele DPL Series Low Differential Pressure Transmitters** offer reliable pressure measurements as low as $\pm 0.10''$ w.c. (± 25 Pa) with an exceptional 1% full scale accuracy. The rugged capacitance sensor can withstand up to 10 psig over pressure without damaging the unit. The transmitters feature reverse wiring protection and easily accessible zero and span pots. The **DPL Series** are designed for energy management systems, environmental pollution control, HVAC, and building automation applications.

FEATURES

- 10 psig overpressure
- $\pm 1\%$ full scale accuracy
- Reverse wiring protection
- 4-20 mA, 0-5 or 0-10 VDC output
- Zero and span adjustment
- Bidirectional ranges available



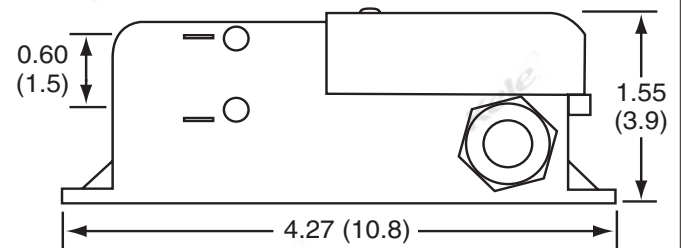
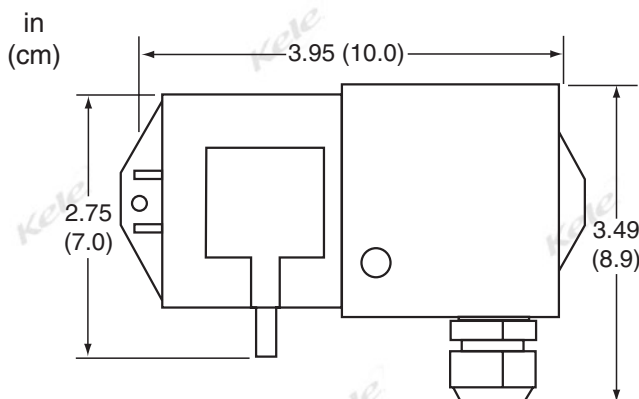
APPLICATION

- HVAC and energy management systems
- Variable air volume and fan control
- Filter monitoring
- Environmental pollution control
- Furnace draft
- Lab and fume hood control

SPECIFICATIONS

Supply Voltage		Thermal Effect	Compensated temperature range: 0° to 150°F (-18° to 65°C)
4-20 mA Model	9-30 VDC	Overpressure	±10 psig (68.95 kPa) in positive or negative direction
0-5, 0-10 VDC Model	9-30 VAC/VDC	Operating Temperature	0° to 150°F (-18° to 65°C)
Signal Output		Storage Temperature	-40° to 185°F (-40° to 85°C)
DPL-XX-1	0-10 VDC (3-wire)	Enclosure Rating	Fire retardant glass filled polyester (UL94V-0)
DPL-XX-4	4-20mA (2-wire)	Process Connection	1/4" OD press-on fitting
DPL-XX-5	0-5 VDC (3-wire)	Wiring Terminations	Screw terminal strip
Maximum Output		Approvals	CE
Impedance	800Ω	Weight	0.3 lb (0.15 kg)
Minimum Output		Warranty	1 year
Impedance	5,000Ω		
Adjustments	Adjustable via trim pots		
Accuracy	±1.0% full scale		

DIMENSIONS



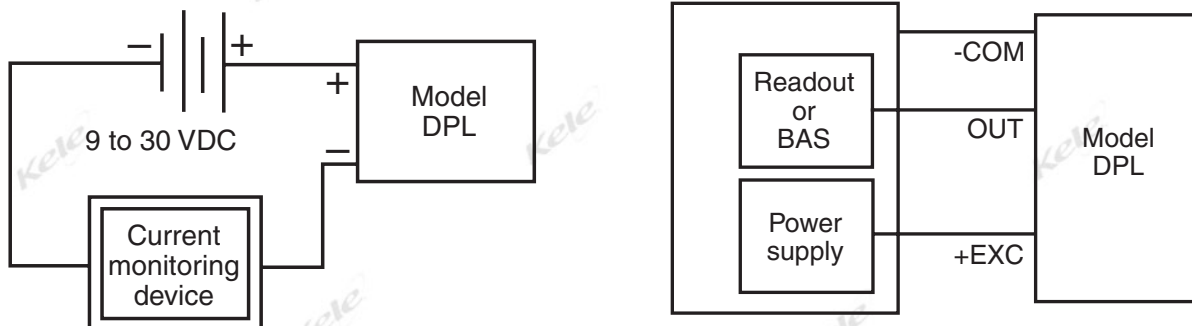


PRESSURE

LOW DIFFERENTIAL PRESSURE TRANSMITTER

DPL SERIES

WIRING



ORDERING INFORMATION

MODEL	DESCRIPTION
DPL	Differential pressure transmitter
XXX	Range Code (see table)
1	0-10 V output
4	4-20 mA output
5	0-5 V output

DPL - 10 - 4 *Example: DPL-10-4 Differential pressure transmitter with 4-20mA output, ± 0.1 "w.c.*

TABLE 1. RANGE CODES

RANGE CODE	PRESSURE RANGE "W.C.	RANGE CODE	BIDIRECTIONAL RANGE "W.C.
1	0 to 0.25	10	± 0.1
2	0 to 0.5	11	± 0.25
3	0 to 1.0	12	± 0.5
4	0 to 2.5	13	± 1.0
5	0 to 5.0	14	± 2.5
6	0 to 10.0	15	± 5.0
7	0 to 25.0	16	± 10.0
8	0 to 50.0	17	± 25.0
9	0 to 100	18	± 50.0

RELATED PRODUCTS

		PAGE
A-301-K	Duct static pressure tip, 1/4" compression	1113
A-302-K	Duct static pressure tip, 1/4" barb	1113
A-308-K	Duct static pressure fitting, 1/4" barb	1113
A-345-K	Flange mounting kit (1 required for each A-301-K or A-302-K)	1113
RPS	Stainless steel room pressure sensor, 1/4" barb	1113
RPS-I	Ivory plastic room pressure sensor, 1/4" barb	1113
RPS-W	White plastic room pressure sensor, 1/4" barb	1113
SD-01	Surge dampener	1113
T-101	1/4" OD black poly tubing, 1 coil, 250 ft (76 m)	901