

Room Pressure Sensor with Display LX-PD-R-AE-LCD

The pressure differential sensor room pressure transmitter is used to measure differential pressure in the range of 30 to 250 Pa. Equipped with display and alarm output, the sensor is designed for low pressure monitoring in occupied spaces.

- LCD display
- Alarm output
- Installer-friendly wiring access

Details

The product is used to measure differential pressure in the range of 30 to 250 Pa. It combines precision high sensitivity silicon sensing capabilities and the latest ASIC technology to substantially reduce offset errors due to changes in temperature, stability to warm up, long term instability and position sensitivity.

The product features an LCD display to show the pressure value, several bi-directional pressure ranges and field-selectable output signal types for the most flexible application. The device has an on-board auto-zero function. It features an alarm output with adjustable trip points for high and low alarm levels, an on-board buzzer, a remote buzzer output with silence switch and a flashing alarm LED.



Order Codes

- LX-PD-R-AE-LCD-60 (ranges: ± 30 Pa, ± 60 Pa)
LX-PD-R-AE-LCD-250 (ranges: ± 125 Pa, ± 250 Pa)

Technical Data

Pressure Ranges:	± 30 , ± 60 , ± 125 , ± 250 Pa
Accuracy:	$\pm 1\%$ F.S.O. ($\pm 2\%$ F.S.O. for 30 Pa range)
Stability:	$\pm 1\%$ F.S. max (1 year)
Measurement Types:	Differential (two ports)
Thermal Effects:	$< \pm 3,5\%$ FS max, 5-50° C
Operating Conditions:	0 – 60° C, 10 – 90% RH non-condensing
Power Supply:	24 VAC/DC, $\pm 10\%$
Output Signal :	0-10 VDC or 4-20 mA, (3-wire), field selectable
Zero Adjustment:	Push button auto-zero
Relay Output:	N.O. contact
Relay Trip Point:	Upper and lower trip levels adjustable over the pressure range
Relay Delay:	0 to 10 minutes (selectable)
LCD Display:	38.1 (W) x 16.5 (H) mm
Enclosure:	White ABS, IP30, 84mm (W) x 117mm (H) x 29mm (D)
Wiring Connections:	Screw Terminals
Pressure Connection:	1/8" ID flexible tubing
Manufacturing Process:	ISO9001