PA-FLTR

Room Differential Pressure Monitor







Features & Benefits

- Clear, long range LED indictors
- Monitor filter status from 50+ feet away
- Early warning alerts for proactive maintenance
- Integrates with building automation systems (BAS)
- Optimizes energy use and air handler efficiency
- Designed for use in Hospitals, Data Centres, Cleanrooms and Laboratories
- Combines local indication with BAS feedback
- Reduces manual checks and energy costs
- Landscape orientation version available

Technical Overview

The PA-FLTR Room Pressure Monitor provides a simple, cost-effective, and accurate way to monitor and display room differential pressure in areas that today require manual verification. For local staff managing an area, PA-FLTR has a light ring that is green or red and an optional audible alarm providing clear indication of room conditions.

Specification

Power Supply	24vac/dc 50-60Hz ±10%
Range	0-250Pa // 0-620Pa // 0-750Pa // 0-1240Pa // 0-2480Pa // 0-6220Pa //
Analog output	0-5V, 0-10V, 4-20mA
Accuracy	±1.0% FS (standard); ±0.5% FS (optional)
Non-linearity	±0.98% FS (standard); ±0.44% FS (optional)
Non-repeatability	±0.13% FS
Hysteresis	±0.10% FS
Span tolerance	±1% FS
Thermal effects	Zero shift %FS/°C:(±0.06) Span shift %FS/°C:(±0.06)
Overpressure	7000 Pa
Long Term Stability	±0.5% FS per year
Alarm indication	Red illuminated LED light ring, 11mm standoff from faceplate, viewable at 90° angle from side
Pressure connections	3/16" tubing fittings
Operating Temperature	0 to 50°C

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Note: for all gas sensors, None of our devices are approved for use in life safety applications. This document is uncontrolled if printed. Generated on 02/09/25

Operating Humidity	5 to 95% RH (non-condensing)
Storage Temperature	-30 to +70°C
IP Rating	IP54
Housing Material	Fire retardant plastic UL94 V-O
Dimensions	Monitor Only - 67 x 124 x 46.5mm // Flush Mount DP Gauge Replacement Kit - 101.5 x 139 x 71.9mm // Surface Mount Kit - 128.5 x 128.5 x 46.5mm
Weight	Monitor Only - 227g // Flush Mount DP Gauge Replacement Kit - 340g // Surface Mount Kit - 400g
Suffixes	-F Flush mount kit -S Surface mount kit -L Landscape orientation -AH Accuracy (±0.5% FS) -BLK Black

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Related Product Codes

PA-FLTR	Room Differential Pressure Monitor
PA-FLTR-1240	DP Filter Alert 0-1240Pa
PA-FLTR-1240-AH	DP Filter Alert 0-1240Pa 0.5%Acc
PA-FLTR-1240-AH-BLK	DP Filter Alert 0-1240Pa 0.5%Acc Black
PA-FLTR-1240-BLK	DP Filter Alert 0-1240Pa Black
PA-FLTR-2480	DP Filter Alert 0-2480Pa
PA-FLTR-2480-AH	DP Filter Alert 0-2480Pa 0.5%Acc
PA-FLTR-2480-AH-BLK	DP Filter Alert 0-2480Pa 0.5%Acc Black
PA-FLTR-2480-BLK	DP Filter Alert 0-2480Pa Black
PA-FLTR-250	DP Filter Alert 0-250Pa
PA-FLTR-250-AH	DP Filter Alert 0-250Pa 0.5%Acc
PA-FLTR-250-AH-BLK	DP Filter Alert 0-250Pa 0.5%Acc Black
PA-FLTR-250-BLK	DP Filter Alert 0-250Pa Black
PA-FLTR-620	DP Filter Alert 0-620Pa
PA-FLTR-620-AH	DP Filter Alert 0-620Pa 0.5%Acc
PA-FLTR-620-AH-BLK	DP Filter Alert 0-620Pa 0.5%Acc Black
PA-FLTR-620-BLK	DP Filter Alert 0-620Pa Black
PA-FLTR-6220	DP Filter Alert 0-6220Pa
PA-FLTR-6220-AH	DP Filter Alert 0-6220Pa 0.5%Acc
PA-FLTR-6220-AH-BLK	DP Filter Alert 0-6220Pa 0.5%Acc Black
PA-FLTR-6220-BLK	DP Filter Alert 0-6220Pa Black
PA-FLTR-750	DP Filter Alert 0-750Pa
PA-FLTR-750-AH	DP Filter Alert 0-750Pa 0.5%Acc
PA-FLTR-750-AH-BLK	DP Filter Alert 0-750Pa 0.5%Acc Black
PA-FLTR-750-BLK	DP Filter Alert 0-750Pa Black

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