

Low Differential Pressure Sensor



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The range of air differential pressure transmitters are designed for applications in ventilation, fan speed control, air pressure monitoring & control and systems. The transmitters employ a solid-state temperature compensation pressure cell with microprocessor providing superior linearity, measurement accuracy and sensitivity.

The sensor incorporates zero pressure calibration at the touch of a button and provides multiple ranges with a +/- option that are defined from user selection switches. The product is available 0-10v output with 4.20mA and an optional LCD display. The standard sensor housing is IP51 with an option for IP65 and each sensor is provided with 2 metres of tube and 2 duct pilot fittings.

- 24V DC Supply
- Multiple selected ranges
- Fully Calibrated
- Temperature Compensated (-10°C to 60°C)
- Zero calibration push button
- Digital Self Dampening
- Outputs 0-10V with 4-20mA. With input protection

Accreditations

Certified and tested to all annexes of EN12101-2:2003.



Applications



Smoke Ventilation



Dimensions of case- 133mm x 140mm x 52mm

Technical Data

Type	FYS15040091
Selectable Ranges	0-25Pa, 0-50Pa, 0-100Pa, 0-125Pa
+/- Ranges Selection	Option switch SW3 Off
Supply	24Vdc +/- 15%
Power Consumption	100mA plus out load 35mA max
Outputs	0-10V with 4-20mA
Accuracy (@ 25°C)	3.5% of reading + 0.15Pa
Non-Linearity/Hysteresis	+/- 0.125% FSS typical
Operating Temp	-20 to +70°C
Operating Humidity	0-80% non-condensing
Pressure Overload	50K Pa
Enclosure	Flame retardant ABS IP51 (optional IP65)

Range Selection

Range	SW1	SW2	SW3	SW4	SW5	SW6
0-25Pa	ON	OFF	ON	ON	ON	ON
0-50Pa	ON	OFF	ON	OFF	ON	ON
0-100Pa	ON	OFF	ON	ON	OFF	ON
0-125Pa	ON	OFF	ON	OFF	OFF	ON

For +/- Range Selection SW3 OFF (only available on HA variants)

