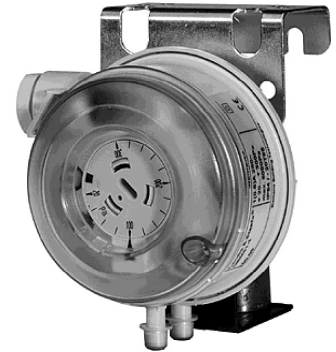


Air Differential Pressure Sensors / Switches

NEW!



QBM3100 Series



QBM81 Series

Description

The Siemens QBM Series Air Differential Pressure Devices use a proven sensing technology to deliver accurate and repeatable data in applications that require monitoring of differential pressure.

Features

- Loop powered 4 to 20 mA output signal (QBE3100)
- SPDT contact output (QBM81)
- Compact construction
- Integral mounting bracket and snap-on cover with a single screw for fast and easy installation
- Resettable zero point for different mounting positions (QBM3100)
- Ultra-low susceptibility to temperature
- No mechanical aging

Applications

QBM Series Differential Pressure Devices can be used in a wide range of HVAC and general building management applications where differential air pressure monitoring is required.

Typical applications for the QBE3100 include control of variable speed fans in VAV systems and monitoring of pressure differentials in clean room applications.

The QBM81 can be wired NO or NC and provide a digital output with adjustable differential pressure trip point. Common applications include monitoring of air filters and general indication of high/low differential pressure situations.

QBM Series Air Differential Pressure Specifications

QBM3100 Series Sensors (4-20mA Output)

Input Power	8 to 33 Vdc
Accuracy	+/-1% Full Scale
Maximum Pressure	TBD
Permitted Media	Air and other non-corrosive gases
Process/Ambient Operating Temp	32°F to 160°F (0°C to 71°C)
Ambient Humidity	Non-condensing
Enclosure	Polycarbonate
Diaphragm	Silicone
Measuring Element	Ceramic

QBM81 Series Switches (SPDT Relay Output)

Contact Rating	AC 250V, 5A max (3A inductive)*
Maximum Pressure	20" WC
Ambient Operating Temp	-22F to +185F
Humidity (Max)	.90% rh, non-condensing
Permitted Media	Air and other non-corrosive gases
Mounting Orientation	Any
Housing/Cover	Polycarbonate
Diaphragm	Emission free silicone
Bracket	Galvanized Steel

*Consult local codes for voltages over 24V

QBM Series Air Differential Pressure Devices Product Ordering

Description	Output Signal	Differential Pressure Range	Part Number
Air DP Sensor	4-20mA	-0.25 to +0.25 inches	QBM3100U025U
	4-20mA	0 to 1 inch	QBM3100U1
	4-20mA	0 to 2.5 inches	QBM3100U2.5
	4-20mA	0 to 5 inches	QBM3100U5
	4-20mA	0 to 10 inches	QBM3100U10
Air DP Switch	SPDT	0.08 to 1.2 inches	QBM81-3
	SPDT	0.2 to 2 inches	QBM81-5
	SPDT	0.4 to 4 inches	QBM81-10

E-40

Sensors