

Differential Pressure Detectors

This differential pressure

detectors are robust field-mounted instruments. The pressure sensing assembly is a piston It can be confgured for service in non-hazardous and hazardous locations. Detecting elements are SPDT.

Application Information

Basic models with standard wetted parts are normally suitable for air, oil, water and non-corrosive process fluids.

Corrosive service and particular user requirements may require optional components.

It is suited for low-to-high differential pressure process or fuid power applications where high and varying static pressure, high overrange, proof, shock pressure or cycle rates are expected.



Features and Benefits

Modular Design

Wide range of electrical enclosures available.

Robust Construction

Rugged, high cycle rate tolerance, long life, not critical to vibration, high overrange and proof pressures, withstands full Hi and Lo side pressure reversals, excellent corrosion resistance to hostile environments.

Instrument Quality

High repeatability, narrow dead band, negligible temperature effect and static influence.

Wetted Parts

· Wide selection of materials.

Field Adjustable

- Excellent resolution of Set Points, adjustment, no special tools required.
- No-charge factory calibration.

Agency Listings/Certification

- Select models with ATEX, IECEx, CSA, GOST R, INMETRO, Rostechnadzor (RTN), UL
- Meets most code and customer requirements.

Safety Certified to IEC 61508 (SIL)

· EDM products are certified to IEC 61508 for non-redundant use in SIL1 and SIL2 Safety Instrumented Systems for most models. For more details or values applicable to a specific product, see the Safety Integrity Level Quick Guide (Form 1528).

Delivery

- Routine shipments 7 to 10 working days.
- Emergency shipments via air same day.

Service

www.sg-edm.com

Factory service engineers and area factory representatives provide effective and prompt worldwide service.



Model Number System

EWC201-013062-013

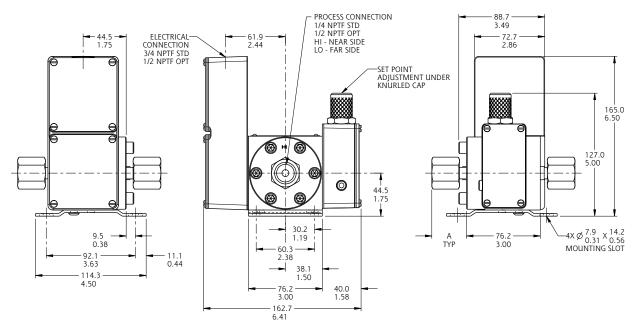
Adjustable Range Increasing Differential Pressure		Typical Dead Band		Maximum System Pressure		Maximum Differential Pressure	
psid	bar	psid	bar	psi	bar	psi	bar
40 to 200	3.0 to 14	7.0	0.5	3000	210	3000	210

Pro	duct Specifications				
Housing		Diaphragm/O-Ring			
Non-Hazardous Locations Weatherproof Top electrical conduit connection, 3/4" NPT(F)		O-Ring	Viton		
		Diaphragm	not available		
		Pressure Port			
Ter	Terminal block standard		Connection Size	1/4" NPT(F)	
Ma	terial	Aluminum	Material	316SS	
Detection	ng Element		Waterial	01000	
Des	signator	SPDT			

1.0

5 Amps @ 30 VDC

Non-Hazardous Service (Weatherproof):



Dead Band Multiplier

Rating