



Excellent Design & Manufacture

Differential Pressure Detectors

This differential pressure detectors are robust field-mounted instruments. The pressure sensing assembly is a diaphragm-piston combination. It can be configured for service in non-hazardous and hazardous locations. Detecting elements are DPDT.

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 fluid 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

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

Model Number System

EGZ501-036002-036

Adjustable Range Increasing Differential Pressure		Typical Dead Band		Maximum System Pressure		Maximum Differential Pressure	
in. wcd	mbar	in. wcd	mbar	psi	bar	psi	bar
20 to 150	50 to 375	5.0	12.4	3000	210	1500	100

Product Specifications

Housing		Diaphragm/O-Ring	
Non-Hazardous Locations		O-Ring	Buna-N
Weatherproof		Diaphragm	Kapton (Polyimide Film)
Top electrical conduit connection, 3/4" NPT(F)		Pressure Port	
Terminal block standard		Connection Size	1/4" NPT(F)
Material	Aluminum	Material	316SS
Detecting Element			
Designator	DPDT		
Dead Band Multiplier	4.0		
Rating	5 Amps @ 30 VDC		

Non-Hazardous Service (Weatherproof):

