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

Model Number System

EZS101-040062-040

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	
Non-Hazardous Locations	
Weatherproof	
Top electrical conduit connection, 3/4” NPT(F)	
Terminal block standard	
Material	Aluminum
Detecting Element	
Designator	SPDT
Dead Band Multiplier	1.0
Rating	5 Amps @ 30 VDC

Diaphragm/O-Ring	
O-Ring	Buna-N
Diaphragm	Kapton (Polyimide Film)
Pressure Port	
Connection Size	1/4" NPT(F)
Material	316SS

Non-Hazardous Service (Weatherproof):