



Excellent Design & Manufacture

Differential Pressure Detectors

This differential pressure detectors are rugged, field-mounted instruments that incorporate a flexible modular design providing cost effective sensing solutions. The two-piece piston design allows for complete differential pressure reversal without damage.

Application Information

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

Corrosive service and special requirements may require optional components.

This differential pressure detectors are suited for low-to-high differential pressure, fluid power or process applications where high and varying static pressures, 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, Rostekhnadzor (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

EWY605-042092-042

Adjustable Range (increasing pressure)		Typical Mid-Range Dead Band		Maximum System Pressure		Maximum Differential Pressure	
psid	bar	psi	bar	psi	bar	psid	bar
3 to 30	.2 to 2.1	.5	.03	500	34	500	34

Product Specifications

Housing

Hazardous Locations — Conventional Explosion Proof
Separate electrical and set point adjustment compartments.
Weathertight
Six-place compression type terminal block
Material Aluminum
Electrical 3/4" NPT(F)-Left, Right

Detecting Element

Designator DPDT
Rating 5 Amps @ 30 VDC
Dead Band Multiplier 3

Material & Systems

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

Accessory/Option & Description

ATEX/IECEx approved differential pressure switch.

Conventional Explosion Proof - Hazardous Service

Class I, Groups B, C, D; Class II, Groups E, F, G; Divisions 1 & 2

