



Excellent Design & Manufacture

## Mini-Hermet Pressure Detectors

### Mini-Hermet pressure detectors

are robust field-mounted instruments. The pressure sensing assembly is similar to a conventional EDM type. The main difference is that the detecting element assembly is hermetically sealed in an explosion proof steel capsule. Detecting elements is SPDT .

### Application Information

The pressure detectors in this catalog are suitable for a variety of process applications in hazardous locations and hostile environments where stainless steel exterior parts are required and where space is limited. 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.



#### Features and Benefits

##### Robust Construction

- High cycle rate tolerance, long life, not critical to vibration, protected internal hermetically sealed detecting element capsule.

##### Instrument Quality

- High resolution of Set Points, high repeatability, narrow dead band, negligible temperature effect, high overrange and proof pressures.

##### Explosion Proof Hermetically Sealed Detecting Capsule

- Isolates detecting elements from corrosive, hostile and hazardous environments and virtually eliminates problems from corrosion.

##### Field Adjustable Set Points

- Full range adjustability without disconnecting electrical power while maintaining explosion proof integrity, self-locking adjustment, no charge for factory calibration.

##### Cost Effective

- Simple, fast installation without special tools, long service life. Periodic service or spare parts not required.

##### Agency Listings/Certification

- Select models with ATEX, IECEx, CSA, INMETRO, Rostechnadzor (RTN), SAA, 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 .

##### Built-In Quality

- Rigid quality standards maintained from raw material to finished product.

##### Delivery

- Routine shipments 7 to 10 working days. Emergency shipments via air within 48 hours.

##### Service

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

## Model Number System

# EEGL01-027002-027

Adjustable Range		Typical Dead Band		Overrange		Proof	
psi	bar	psi	bar	psi	bar	psi	bar
45 to 550	3.1 to 38	11.7	0.8	1500	100	2500	170

## Product Specifications

### Housing

#### Hazardous Locations

UL Listed, CSA Certified

Class I, Group A, B, C, D; Class II,

Group E, F, G, Divisions 1 & 2 and SAA Approved

Ex s Zone 2 IIC T4 IP65, Ex tD A22 T105°C

Electrical conduit connection 1/2" NPT(M).

NEMA 4, 4X, IP65, IP66, IP67.

#### Material

Copper-free aluminum

### Diaphragm and O-Ring

#### O-Ring

Buna-N

Diaphragm TCP Teflon-Coated Polyimide

### Pressure Port

#### Process Connection Size

1/4" NPT(F)

#### Pressure Port Material

Carbon Steel

### Detecting Element

#### Contact Form

SPDT

#### Rating

5 amps @ 250 VAC

#### Multiplier

1.0

## Dimensions

PROCESS CONNECTION SIZE	LENGTH A
1/4 NPTM SHOWN	29.7 1.17
1/2 NPTM	38.9 1.53

