



Excellent Design & Manufacture

Dual Hi-Lo Pressure Detectors

Dual Hi-Lo pressure detectors are rugged, field-mounted instruments. The pressure sensing assemblies are conventional Static "O" Ring type. The main difference is that two sensing assemblies share a common process pressure port, housing and electrical conduit connection. Two discrete sensing assemblies provide independently adjustable, fine resolution Set Points that can be calibrated to the same actuation point, or split to the full span of the adjustable range without interaction.

Application Information

The Dual Hi-Lo pressure detectors in this catalog consolidate control, alarm and safety shutdown applications into one instrument.



Features and Benefits

Robust Construction

- High cycle rate tolerance, long life, not critical to vibration.

Instrument Quality

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

Field Adjustable Set Points

- Full range adjustability. No-charge factory calibration.

Cost Effective

- Simple, fast installation without special tools, long service life, no required periodic service or spare parts. Installation of one Dual Hi-Lo provides two pressure detectors in the time normally required for the installation of one pressure detector.

Agency Listings/Certifications

- Rostechnadzor (RTN) standard (certificate available upon request)

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 one day.

Service

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

Model Number System

EEK102-417004-417

| Adjustable Range | | Typical Dead Band | | Overrange | | Proof | |
|------------------|-------------|-------------------|------|-----------|-----|-------|-----|
| psi | bar | psi | mbar | psi | bar | psi | bar |
| 2 to 25 | 0.14 to 1.7 | 0.3 | 20 | 750 | 50 | 1000 | 70 |

Product Specifications

Housing

Non-Hazardous Locations

NEMA 4, 4X IP65

Electrical conduit connection 3/4" NPT(F)

Material Alloy 356 copper-free aluminum

Detecting Element

Designator SPDT

Rating 5 AMPS @ 30 VDC

Dead Band Multiplier 1.0

Diaphragm & O-Ring

O-Ring Buna-N

Diaphragm TCP Teflon-Coated Polyimide

Pressure Port Material & Connection Systems

Material Aluminum

Connection 1/4" NPT(F)

Non-Hazardous Locations - Weathertight NEMA 4, 4X, IP65

