



Excellent Design & Manufacture

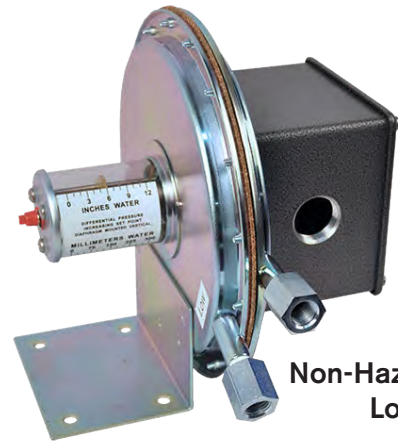
## Low Differential Pressure Detectors

### Low Differential Pressure Detectors for Air & Gas Applications

**EDM Low differential pressure detectors** are robust, field-mounted instruments designed for the process industries. These instruments accurately read very low pressures by utilizing a diaphragm with a large sensing area. The detecting element is SPDT. An external Set Point adjustment with visual indication is standard, allowing for simplified calibration of the detector.

#### Applications

Built to high-quality standards for reliability, this detector is suitable for draft ranges commonly associated with HVAC applications and burner management systems. It is also suited for other industrial air and gas services which are compatible with the wetted parts. Standard models are available for weathertight or explosion-proof environments.



#### Features and Benefits

- External Set Point adjustment with visual scale
- Fine Set Point resolution
- Narrow dead band
- High repeatability
- UL Listed and CSA Certified snap-action detecting elements
- Screw terminals standard on weathertight detectors wire leads standard on explosion proof
- Rugged design

#### 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 .

## Model Number System

# EEA603-900001-900

| Adjustable Range |          | Contact Rating |        | Typical Dead Band |       |
|------------------|----------|----------------|--------|-------------------|-------|
| in. wc           | mm wc    |                |        | in. wc            | mm wc |
| 0 to 12          | 0 to 305 | 5 amps         | 30 VDC | 0.25              | 6.4   |

## Product Specifications

|                           |                                                                                                 |                                                                                                        |                            |
|---------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Electrical Housing</b> |                                                                                                 | <b>Electrical Service</b>                                                                              |                            |
| Type                      | Weathertight NEMA 4                                                                             | Contact form                                                                                           | SPDT                       |
| Material                  | 6063-T5 aluminum                                                                                | * DC electrical ratings are for resistive loads only.                                                  |                            |
| <b>Pressure Ports</b>     |                                                                                                 | They may not be agency approved, listed or certified, but have been verified by testing or experience. |                            |
| Material                  | Plated cold-rolled steel                                                                        | <b>Temperature Limits</b>                                                                              |                            |
| Connection size           | 1/4" NPT(F)                                                                                     | Ambient                                                                                                | -40 to 150°F (-40 to 65°C) |
| Wetted Materials          | Buna-N, brass, aluminum, cork, stainless steel, acrylic tubing, nylon, plated cold-rolled steel | Process                                                                                                | -40 to 150°F (-40 to 65°C) |
| Electrical Connection     | 3/4" NPT(F); screw terminals                                                                    | Max System Pressure                                                                                    | 10 psig (.69 bar)          |
|                           |                                                                                                 |                                                                                                        | Vacuum protected to 30" Hg |
|                           |                                                                                                 | Weight                                                                                                 | Approximate 5 lb (2.3 kg)  |

## Dimensions

Dimensions are for reference only. Contact the factory for certified drawings for a particular model number.

Linear =  $\frac{\text{mm}}{\text{in.}}$

