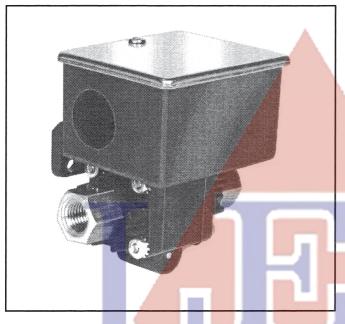
# UEC24014 Differential Pressure Switch

### **SPECIFICATION DATA**



# **FEATURES**

- NEMA Enclosures
- UL and CSA Listed
- Gold Clad Contacts
- Brass Pipe Connection
- Pipe or Surface Mount

# **GENERAL**

Differential Pressure switches open or close a switch contact in response to a change in the pressure rise across a pump or filter.





77-2538-1

# DESCRIPTION

Differential Pressure Switches open or close a switch contact in response to a change in sensed differential pressure.

## **SPECIFICATIONS**

#### Models:

□ UEC2401 4M262 NEMA 1 Enclosure □ UEC2401 4M262M900 NEMA 4 Enclosure

#### **Burst Pressure:**

300 psi (2068 kPa)

#### **Set Point Repeatability:**

Typical -1% of span

#### **Maximum Pressure at Either Port:**

150 psi (1034 kPa)

#### Differential Pressure Setpoint (Adjustable):

4 to 43.5 psi (28 to 300 kPa) on decreasing pressure 5.5 to 45 psi (38 to 310 kPa) on increasing pressure

#### **Switch Contact Arrangement:**

Spdt

NOTE: Switch makes common to n.c. at setpoint on decreasing differential pressure and common to n.o. at setpoint plus switch differential on increasing differential pressure.

#### **Electrical Rating:**

5A at 125/250V ac, 75% power factor 1/4 HP

5 amps resistive and 3 amps inductive at 30 Vdc 0.5 amps resistive and 0.25 amps inductive at 125 Vdc Gold clad silver contacts: 1mA at 24 Vdc

#### **Electrical Connections:**

Terminal Strip, 16 AWG max

#### **Operating Temperature:**

30 to 160F (-1.1 to 71.1C)

#### **Maximum Media Temperature:**

200F (93C) at 100 psi (689 kPa)

#### **Enclosure:**

Reinforced polyester body, stainless steel cover with neoprene gasket.

#### **Wetted Material:**

Buna-N diaphragm and O-Ring, Brass connnections Polysulphone base

#### **Set Point Repeatability:**

Typical -1% of span

#### Deadband:

Typical -1 psi (7 kPa)

#### **Approvals:**

UL508, E42272; CSA C22.2 no. 14-1987 Certified-LR39690

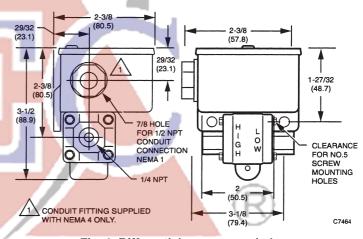


Fig. 1. Differential pressure switch dimensions in inches (millimeters).

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