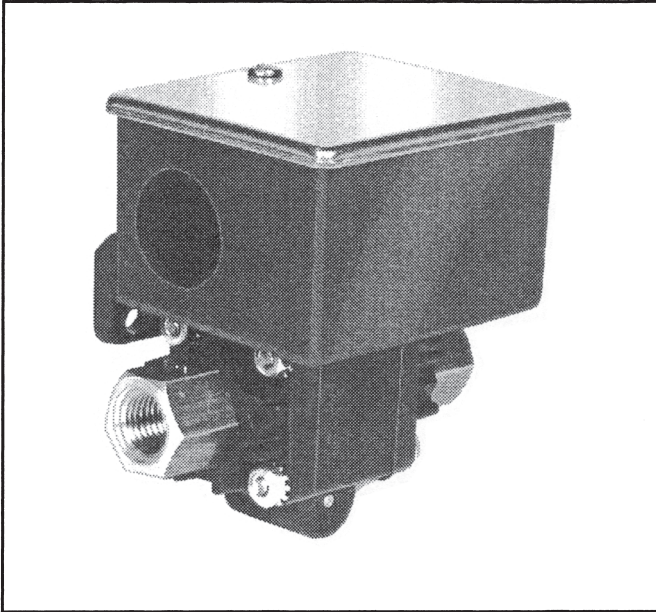


UEC24014 Differential Pressure Switch

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.



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 connections
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

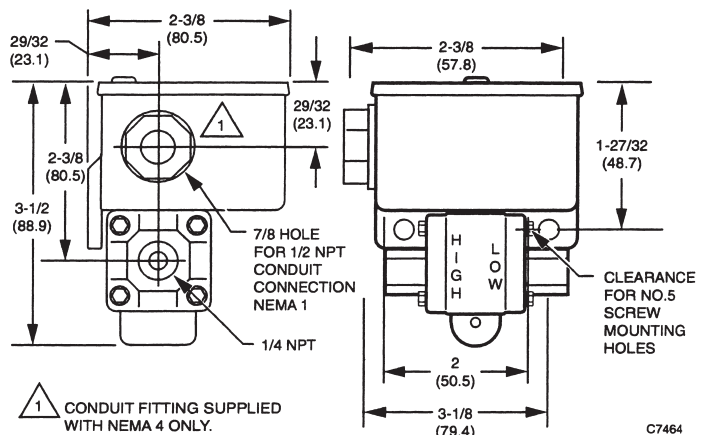


Fig. 1. Differential pressure switch dimensions in inches (millimeters).

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