

## 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

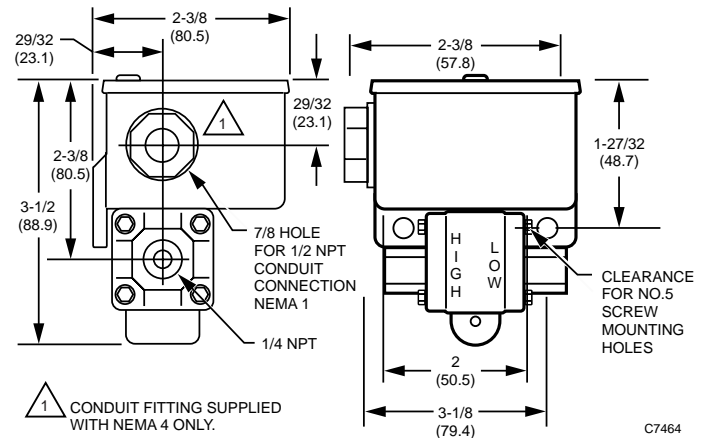


Fig. 1. Differential pressure switch dimensions in inches (millimeters).

### Home and Building Control

Honeywell Inc.  
Honeywell Plaza  
P.O. Box 524  
Minneapolis MN 55408-0524

### Honeywell Latin American Division

Miami Lakes Headquarters  
14505 Commerce Way Suite 500  
Miami Lakes FL 33016

### Home and Building Control

Honeywell Limited-Honeywell Limitée  
155 Gordon Baker Road  
North York, Ontario  
M2H 2C9

### Honeywell Europe S.A.

3 Avenue du Bourget  
B-1140 Brussels Belgium

### Honeywell Asia Pacific Inc.

Room 3213-3225  
Sun Hung Kai Centre  
No. 30 Harbour Road  
Wanchai  
Hong Kong

**Honeywell**

Helping You Control Your World

