

## The TDPS 4-10 Series Adjustable Pressure Switches



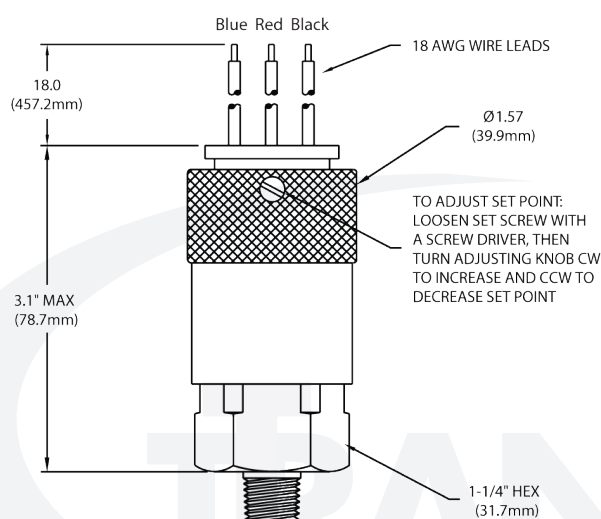
SERIES: TDPS4-10



### FEATURES

- Long life elastomer diaphragm (ranges 4-6)
- Proven seal piston sensor (ranges 7-10, 10HP1)
- High quality snap action switch
- Field-adjustable
- Easily-customized
- Quick Delivery
- NEMA 4, 13

### DIMENSIONS



Red - N.O.  
Blue - N.C.  
Black - Com

Pin 1 - Com  
Pin 2 - N.C.  
Pin 3 - N.O.  
Pin 4 - not used

Dimensions in inches and for reference only.

### SPECIFICATIONS

Set Point Range	10-7500 psi (0.69 - 517 Bar)
Set Point Tolerance	±5 psi or 5% (0.34 Bar)
Max Operating Pressure	TDPS 4-7 2000 psi (138 Bar) TDPS 8-10 5000 psi (344 Bar) TDPS 10HP1 7500 psi (517 Bar)
Proof Pressure	6000 psi (TDPS 4-7) 15000 psi (TDPS 8-10) 22500 psi (TDPS 10HP1)
Differential	10-20%
Current Rating	5A @ 250 VAC 5A @ 30 VDC (resistive)
Media Connection	See order chart below
Circuit Form	SPDT-NO/NC
Electrical Connection	See order chart below
Diaphragm Material	Buna (TDPS 4-6) SS Piston (TDPS 7-10, 10HP1)
Life Cycle	1 Million <sup>®</sup>

DO NOT ADJUST THE UNIT CLOSE TO EITHER EDGE OF THE  
ADJUSTMENT RANGE. THIS MAY CAUSE THE SWITCH TO  
MALFUNCTION.

### ORDERING

Series		Pressure Port		Circuit Type		Electrical Connection
TDPS4		03	—	C	—	W
TDPS4	10-40 psi (25 psi center)	03 = 1/4" NPT Male		C = SPDT NO/NC		W = Wire leads
TDPS5	25-100 psi (65 psi center)	10 = 9/16" x 18SAE Male		**		L = Large DIN
TDPS6	50-200 psi (125 psi center)	02 = 3/8" NPT Male				**
TDPS7	100-400 psi (250 psi center)	20 = 3/4" x 16SAE Male				
TDPS8	250-1000 psi (625 psi center)					
TDPS9	500-2000 psi (1250 psi center)	**				
TDPS10	1200-4500 psi (2850 psi center)					
TDPS10HP1	2200-7500 psi (4850 psi center)					

\*\*= Consult factory for further OEM options

Pressure ranges, ports and connections listed above are quick ship versions

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use. While we provide application assistance personally, through our literature and the Transducers Direct web site, it is up to the customer to determine the suitability of the product in the application.

REV: 7.15