

The TDPS 4-10 Series Adjustable Pressure Switches



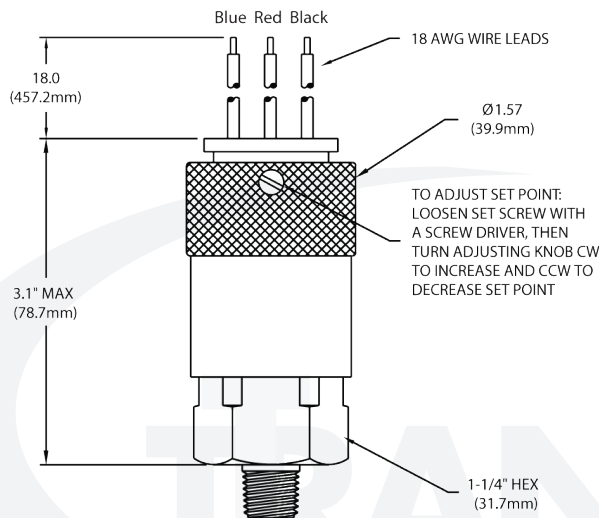
SERIES: TDPS4-10



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. | Pin 1 - Com |
| Blue - N.C. | Pin 2 - N.C. |
| Black - Com | 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 4-6 2000 psi (138 Bar) TDPS 7-10 5000 psi (344 Bar) TDPS 10HP1 7500 psi (517 Bar) |
| Proof Pressure | 6000 psi (TDPS 4-6) 15000 psi (TDPS 7-10) 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 |

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 |
| TDPS5 | 25-100 psi (65 psi center) | 10 = 9/16" x 18SAE Male | ** |
| TDPS6 | 50-200 psi (125 psi center) | 02 = 3/8" NPT Male | W = Wire leads |
| TDPS7 | 100-400 psi (250 psi center) | 20 = 3/4" x 16SAE Male | L = Large DIN |
| TDPS8 | 250-1000 psi (625 psi center) | ** | ** |
| TDPS9 | 500-2000 psi (1250 psi center) | | |
| TDPS10 | 1200-4500 psi (2850 psi center) | | |
| TDPS10HP1 | 2400-7500 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.

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