



P10 Series

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PRODUCT DESCRIPTION

The P10 Series incorporates an all-welded unit design eliminating leak paths and the stainless steel exterior package designates this series for all weather use. This series is a perfect switch for applications that employ a corrosive media and exposure to the harsh climate conditions. Wasco has developed the core competency and development disciplines to take an application need from the customer, create a design, validate the product and deliver a solution. Wasco's team which possess over 100 years of experience is eager to create solutions to meet your application needs from connectors to custom fittings. Visit us at www.wascoinc.com or call 1-800-500-WASCO today.



SERIES HIGHLIGHTS

- 300 Series stainless steel body , fitting, and diaphragm
- Pressure sensing capsule is welded into body
- Excellent choice for Fire Suppression, Medical and Industrial Markets, Factory Automation, HVAC Control and Food Processing markets
- Cost Effective and Customizable

MATERIAL SPECIFICATIONS

Wetted Components			
Body/Fitting	316 Stainless Steel	Sensor	316 Series Stainless Steel

ELECTRICAL SPECIFICATIONS

No.	Name	Specification
1	Electrical Rating	SILVER PLATED CONTACTS: DC 36V 3A Resistive Load DC 36V 1A Inductive Load AC 240V 3A Resistive Load 50/60Hz AC 240V 1A Inductive Load 50/60Hz GOLD CONTACTS: 12V 1A
2	Dielectric Strength	AC 700 VRMS OPEN SWITCH AC 1500 VRMS TERMINALS FITTING LEAKAGE CURRENT \leq 1mA
3	Insulation Resistance	DC 500v \geq 100M Ω
4	Contact Resistance	SILVER CONTACTS: \leq 200m Ω GOLD CONTACTS: \leq 100m Ω

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TECHNICAL SPECIFICATIONS: P10

Activation Point Range	Ranges from Open / Close at 30 In Hg to 2000 psi*.
Activation Point Tolerance Pressure**	Ranges from +/- 3 PSI to 100 PSI (See Table on Page 4 to determine specific tolerance based on Maximum System Pressure)
Proof Pressure***	≤ Maximum Operating Pressure X 1.5.
Burst Pressure****	For Maximum Operating Pressure the Burst Pressure Rating is 3 times the identified Maximum Operating Pressures.
Ambient Temperature	-40°F TO 212°F (-40 C to 100C)
Media Temperature	-40°F TO 212°F (-40 C to 100 C)

UL recognition to UL 508 standard

** Accuracy is reduced above 80°C and below -20°C. (Consult Factory for Additional Data)

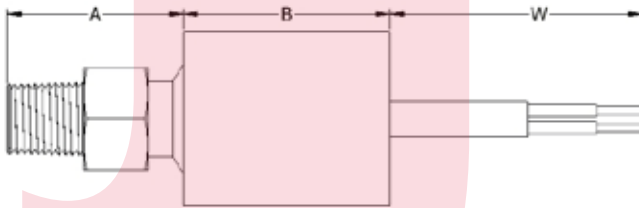
*** Defined as operation at proof pressure without seeing a change in the performance of the switch.

**** Maximum pressure applied to the pressure switch for 1 minute without leakage of media being sensed as defined in the UL 508 standard.

TECHNICAL SPECIFICATIONS: P10

Expected Lifetime	≥ 150,000 Cycles*
Package	IP67 Rated
Leak Rate	≤ 1.0 X 10 ⁻⁵ cc/min AIR

*Testing conducted at 25 cycles per minute from 0 to activation point.



P10 - Wires

Fitting	A	B (SPST)	B (SPST)	W
1/8"- 27 NPT	0.93	1.13	1.52	*



P10 - with Packard Metripack 150
(mates with Packard 12065287)

Fitting	A	B
1/8"-27 NPT	0.93	2.46
1/4"-18 NPT	0.99	2.46
1/4" Female Flare (HVAC)	0.70	2.46

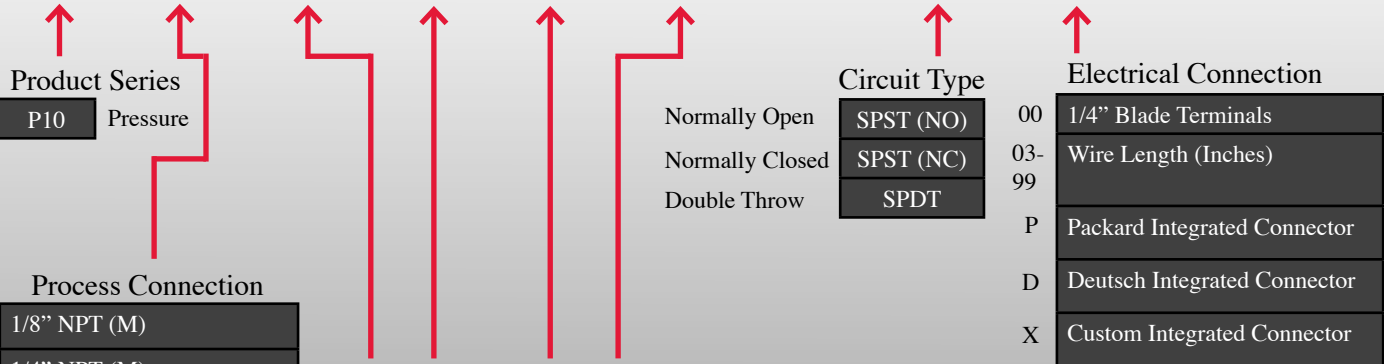
CUSTOM SPECIFICATIONS AVAILABLE

WASCO

SALES AND MARKETING

P10 Series

Series	Mechanical Fitting	Open Pressure	Open Point Tolerance	Close Pressure	Close Point Tolerance	Fitting Material	Circuit Type	Electrical Connection	Customization	Application Number
P10	9	250	K	350	K	S	NO	12	X	3130



Process Connection

J	1/8" NPT (M)
K	1/4" NPT (M)
M	M10 x 1.0 with Deflator
S	7/16" - 20 UNF Female with Deflator (HVAC)
X	Custom Fitting

Letter	Max. Operating Pressure (PSI)	Setpoint Range (PSI)	Deadband Range (PSI)*	Setpoint Tolerance (±) (PSI)
C	150	0-10	5-10	3
D	150	11-20	6-15	4
E	150	21-30	6-15	5
F	150	31-50	7-20	6
G	160	51-80	8-40	7
H	195	81-110	10-60	8
I	220	111-130	15-80	9
J	270	131-180	20-90	10
K	375	181-250	25-100	11
L	450	251-300	30-150	12
M	525	301-350	40-200	14
N	600	351-400	50-200	15
O	675	401-450	50-200	16
P	750	451-500	50-150	17
Q	900	501-600	50-100	18
R	975	601-650	50-100	20
S	1050	651-700	50-100	30
T	1200	701-800	50-100	40
X	1500	800-1000	50-200	100