

Series 2 - PRESSURE SWITCH [Field Adjustable]

2 to 4500
PSI Range

ISSUE C



- ▲ Models 2A, 2C, 2G, 2Z and 2P
- ▲ 11 amp UL Listed, CSA Certified Micro Switch. Optional gold plated contacts.
- ▲ Watertight Industrial Connector DIN 43650/IP65. Available also are models with 18 inch freeleads, with MIL-C-5015 connectors, or multi conductor cable.
- ▲ Laser Engraved Markings, including range scale.
- ▲ Fasteners are stainless steel
- ▲ Models may be factory set, consult factory.
- ▲ Ambient Temperature Range: -30° F to 160° F
- ▲ Stainless Steel pressure port available.
- ▲ Extremely rugged/precision machined from solid aluminum extrusions/ stainless steel bar stock on state of the art CNC lathes and machining centers.
- ▲ Internal slotted adjustment wheel (for use of screwdriver)
- ▲ Housing per NEMA 4, 4X and 13.
- ▲ Underwriters laboratories Inc. Listing File No. 185005 for NKPZ - Motor Controllers, Float - and Pressure Operated NKPZ7 - Motor Controllers, Float - and Pressure Operated - Certified for Canada

SENSOR MODEL SELECTION TABLE

Base Model ⁽¹⁾	Range ID Number	Switch Adjustment Range		Dead Band Approximate		Max System		Proof (Test)	
		psig	kPa/MPa	psig	kPa/MPa	psig	MPa	psig	MPa
2A	.01	2-20	14 kPa-137kPa	0.2-2.0	1 kPa-14kPa	500	3.45	1000	6.89
	.03	5-95	34-655	1.0-6.0	6.8-41	750	5.17	1000	6.89
2C	.43	15-200	103-1.38	2.0-15	14-103	1000	6.89	1250	8.61
2G	.53	50-450	345-3.1	5.0-30	34-207	1500	10.34	3000	20.67
	.62	50-1000	345-6.89	10-50	69-345	2000	13.78	5000	34.45
2Z	.63	100-1800	689-12.4	20-100	137-689	3000	20.67	5000	34.45
2P	.71	100-1800	689kPa-12.4MPa	25-125	172kPa-861MPa	5000	34.5	10000	68.9
	.72	200-2500	1.38-17.2	30-150	207-1.0	5000	34.5	10000	68.9
	.73	350-3250	2.41 -22.4	50-350	345-2.4	7500	51.7	10000	68.9
	.74	400-4500	2.76-31.1	80-350	551-2.4	7500	51.7	10000	68.9

(1) SEE HOW TO ORDER SECTION.

▲ The Differential or Deadband is fixed and varies with the pressure setting

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ELECTRICAL RATINGS

(ALL UNITS SPDT)

11A (RES/IND) - 1/4 HP @ 125 or 250 VAC

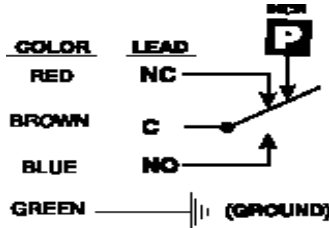
5A RES, 3 A IND @ 28 VDC

.5 A RES @ 125 VDC

OPTIONAL: 100mA @125 VAC; 0.250A @6VDC

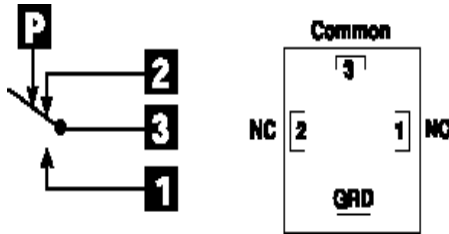
FREELEADS

Approximately 18 inch long,
18 AWG UL1015 Appliance Wire



APPLIANCE PLUG

Four pole industrial power Connector per DIN43650 specifications, when used with rubber compression gland, offers protection against dust and hosedown conditions (IP 65 Protection Mode). Can be indexed four directions. CSA Certified, UL Recognized.

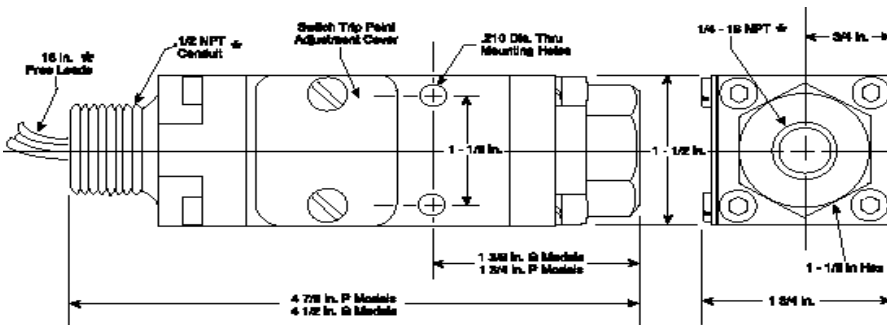


MULTI CONDUCTOR FLEXIBLE CABLE



Multi conductor cable UL 22464, CSA T-1 18 AWG PVC insl per UL 1007, secured with nylon liquid tight (dome fitting) connector. Protection Class IP 68 per DIN 40050, UL Listed, CSA and VDE certified. Color code laser marked on switch.

DIMENSIONS



* See How To Order For Options

▲ Shipping Weight Approx. 1 lb. min.

* See How To Order For Options

HOW TO ORDER

To order a pressure switch that will meet your requirements, specify a model by using the chart below. All configurations may not be immediately available. Consult Factory.

EXAMPLE: 2P 10 N9 • 73 (.X)

2P 10 N9 • 73 (.X)

Switch Adjustment Range. Choose the range from "Switch Adj. Range" column. (See Table on Opposite Side) and enter the Range ID Number.

N1	NITRILE O RING POLYIMIDE DIAPHRAGM
F1	VITON O RING POLYIMIDE DIAPHRAGM
F2	VITON O RING 316L SST DIAPHRAGM
F4	VITON O RING POLYIMIDE DIAPHRAGM
N9	NITRILE O RING (P ONLY) SST PISTON, TEFLON

* (WETTED MATERIALS)

10	3/4 NPT 18 in. Leads
11	DIN 43650 Connector
18	Liquid Tight Connector w/Multi Conductor Cable
62	MS 3102R 12S-3P (2 Pin)
63	MS 3102R 14S-7P (3 Pin)

(52 and 53 NOT UL)

BASE MODEL

LTR	MATERIAL
A	ALUM 1/2 - 14 NPT
C	316SST 1/4 - 18 NPT
G	ALUM 1/4 - 18 NPT
P	ALUM 1/4 - 18 NPT
Z	316SST 1/2 - 14 NPT

* (WETTED MATERIALS)

(X) OPTIONS

.1 MS33649-4 Pressure Fitting
2 Gold Plated Contacts

Other Options Consult Factory

NOTE:

1. Piston sensor for high cycling, long life, hydraulic applications.
2. Polyimide for water service 140°F (60°C) max.
3. Internal adjustment with laser engraved range scale.



Pressure Switches, Inc.

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WARRANTY

A one year limited warranty on materials and/or workmanship is given with this PSI product.