Compact Pressure Switch

Series 7000

Features

- Compact size
- Multiple electrical connections
- SPDT snap action micro-switch
- NEMA 1 or 4 (depending on electrical connection)
- Factory preset or field adjustable
- Available in stainless steel or brass

Applications

- Air proving in HVAC systems
- Engine monitoring
- Hydraulic power units
- Mobile hydraulics
- Pump or compressor control
- Hydraulic and pneumatic braking systems



General Specifications*

Electrical Characteristics:	All models incorporate Underwriters Laboratories, Inc. and CSA Listed single pole double throw snap-actic switching elements.	
Accuracy:	±8% typical for ranges "2" to "7"	
Switch:	SPDT snap action; single circuit	
Wetted Parts: Diaphragm type: (range 2, 3) Piston type: (ranges 4, 5, 6, 7)	300 series stainless steel fitting or brass fitting and Buna-N diaphragm. 300 series stainless steel or brass fitting.	
Electrical Connection:	See product configurator for electrical connection options.	
Enclosure Ratings:	NEMA 1; NEMA 4	
Pressure Connection:	1/4" NPT (standard)	

UL:	Recognized components per UL 508 standard, industrial control equipment.
CSA:	Listed per CSA Guide 380-W1.16 class 3231
PED (European):	Compliant to PED 97/23/EC standard
Temperature Range:	
Operating:	-40° to +180°F - piston type
	0° to 180°F - diaphragm type
Storage:	-40° to +200°F
EMI/RFI:	
Vibration:	10 g's per MIL-STD 202, method 204, condition A
Shock:	50 g's per MIL-STD 202, method 213, condition A
Adjustment Instructions:	
Pressure Setpoint:	Turn adjustment screw clockwise to
	increase pressure; counterclockwise
	to decrease pressure.
Shipping Weight:	Stainless steel: approximate .25 lbs.

Wiring Code

Approvals:

CONTACT	FREE LEADS	PVC GRAY CABLE	TYPE 'SJO' CABLE	DIN 43650 TYPE CONNECTOR
COMMON	PURPLE	WHITE	WHITE	POSITION 1
NORMALLY OPEN	RED	RED	GREEN	POSITION 3
NORMALLY CLOSED	BLUE	BLACK	BLACK	POSITION 2

* See product configurator for additional options.

SS Fitting Dimension

FITTING DIMENSION 'A'		DIMENSION 'B'
1/4 NPT	2.25 [57.15]	.75 [19.05]
1/8 NPT	2.62 [66.55]	1.10 [27.94]
* 7/16 NPT	2.25 [57.15]	.75 [19.05]
* G 1/4	2.25 [57.15]	.75 [19.05]

FOR (-6 AND -7) PRESSURE RANGE BRASS FITTINGS, ADD .51 INCH LENGTH TO ABOVE DIMENSIONS 'A' AND 'B'

* Available in stainless steel only





CRANE Barksdale, Inc./Barksdale GmbH A Subsidiary of Crane Co.

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Technical Drawing



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