



Series
H2

Dual-Action Explosion-Proof Pressure Switches

Explosion-proof and Weatherproof Housing



Explosion-Proof, UL & CSA Listed for Class I, Groups B, C & D and Class II, Groups E, F & G. The H2 is designed for sequencing two different actions as pressure of a liquid or gas increases or decreases. The patented design consists of two concentric pistons operated by a single diaphragm with one pressure chamber. Each piston actuates a separate switch independent of the other. The switches may be adjusted to operate together, at opposite ends of the range or at two intermediate set points. The threaded top is removed to field adjust or service switches without disturbing electrical or pressure connections. The Duotect® switch is explosion-proof and weatherproof. It can be mounted in any position and is not affected by vibration.

STOCKED MODELS in bold

Model Number	Low Range psig (bar)	High Range psig (bar)
H2A-1	3-40 (0.21-2.76)	5-75 (0.35-5.17)
H2A-2	25-250 (1.72-17.2)	30-400 (2.07-27.6)
H2A-3	100-1000 (6.89-68.9)	150-1500 (10.3-103)

SPECIFICATIONS

Wetted Materials: Aluminum chamber with Mylar diaphragm and Buna-N O-ring standard. Brass chamber or 316 SS chamber optional. Teflon® diaphragm optional. Viton® or EPDM O-ring optional.

Temperature Limit: 275°F (135°C).

Pressure Limit: 1500 psig (103 bar).

Enclosure Rating: UL listed explosion proof, Class I, Groups B, C, and D. Class II Groups E, F, and G. Weatherproof, NEMA 4. CSA optional.

Switch Type: Two SPDT snap switches.

Electrical Rating: 5A @ 125/250 VAC. 5A res., 3A ind. @ 30 VDC. Gold contacts or 10A switch optional.

Electrical Connections: 18 AWG, 18" (460 mm) long.

Conduit Connection: 3/4" female NPT.

Process Connection: 1/4" female NPT.

Mounting Orientation: Vertical.

Set Point Adjustment: Internal nut.

Weight: 2 lb (.9 kg).

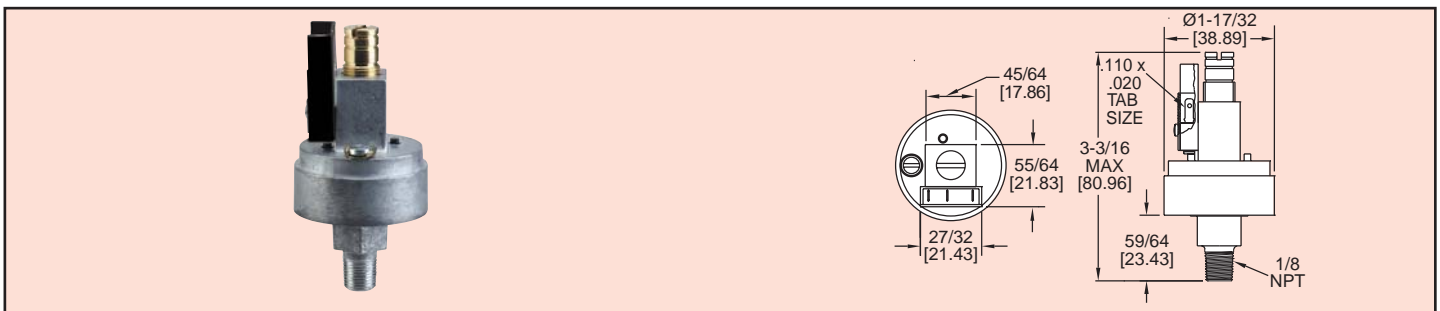
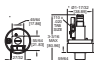
Deadband: Approximately 10% of range.



Series
A1N

Low Cost OEM Pressure Switch

5 Amp Rating, Field Adjustable Set Points, Buna-N Diaphragm



Low cost and compact, the Series A1N Pressure Switch is a UL-recognized component control for water, oil, and non-combustible gas service with an electrical rating of 5 amperes at 125/250 VAC. The Series A1N control is available in field adjustable operating ranges from as low as 1.5 to 4.5 psig up to 41 to 100 psig (10.3-31.0 kPa to 283-690 kPa). A low temperature option of -20 to 180°F (-29 to 82°C) is available.

STOCKED MODELS in bold

Model No.	Range, psig	Range, kPa	Typical Deadband in psig (kPa) at min./max.	Low Temp. Model No.	Range, psig	Range, kPa	Typical Deadband in psig (kPa) at min./max.
A1N-11	1.5-4.5	10-31	.35/.65 (2.4/4.5)	A1N-12	2.0-4.5	13.8-31	.55/.60 (3.8/4.1)
A1N-21	4.5-15	31-103	.65/.90 (4.5/6.2)	A1N-22	4.5-15	31-103	.75/1.0 (5.2/6.9)
A1N-31	15-41	103-283	1/1.7 (6.9/11.7)	A1N-32	15-41	103-283	1.4/1.6 (9.7/11)
A1N-41	41-100	283-690	3.7/4.5 (25.5/31)	A1N-42	41-100	283-690	4.8/6.0 (33/41)

SPECIFICATIONS

Wetted Materials: Zinc chamber and Buna-N diaphragm.

Temperature Limits: 0 to 180°F (-18 to 82°C). Low temperature models: -20 to 180°F (-29 to 82°C).

Pressure Limit: 200 psig (13.8 bar).

Enclosure Rating: None.

Switch Type: SPDT snap switch.

Electrical Rating: 5A @ 125/250 VAC, 1/10 HP @ 125/250 VAC.

Electrical Connections: .11 x .02 quick connect tabs.

Process Connection: 1/8" male NPT.

Mounting Orientation: Within 20° of vertical.

Set Point Adjustment: Slotted screw.

Weight: 6 oz (.17 kg).

Deadband: See model chart.