



Series
H2

Dual-Action Explosion-Proof Pressure Switches

Explosion-proof and Weatherproof Housing



Pressure



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.

SPECIFICATIONS

Wetted Materials: Aluminum chamber with Polyester Film diaphragm and Buna-N O-ring standard. 316 SS chamber optional. FEP diaphragm optional. Fluoroelastomer or EPDM O-ring optional.

Temperature Limit: 275°F (135°C). CSA approved: -20 to 90°C (-4 to 184°F).

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. Meets NEMA 4X (IP56). CSA optional. Class I, Groups B, C & D. Class II, Groups E, F, & G -20°C ≤ Tamb ≤ 75°C T6 [Optional -20°C ≤ Tamb ≤ 40°C T5] Type 4.

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: Any position.

Set Point Adjustment: Internal nut.

Weight: 2 lb (.9 kg).

Deadband: Approximately 10% of range.

Agency Approvals: CE, UL, CSA.

Model	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)