

viewing process information and set point status on digital display.

## FEATURES/BENEFITS

- · 3-in-1 ATEX approved instrument allows the reduction of several instruments with one product, saving inventory, installation time and money
- · Flame-proof ATEX enclosure with optional glass window and aluminum housing protects the device in hazardous areas while giving local visibility to process pressure and set point status

## **APPLICATIONS**

Hazardous area pressure measurement and switching

Attention: Check local safety rules and warnings on unit and manual for a correct use of the instrument in hazardous area.

77°F (25°C) including hysteresis and repeatability (after 1 hour warm-up). **Stability:**  $< \pm 1\%$  per year.

Pressure Limits: Ranges ≤ 2.5 in w.c.: 25 psi; ±2.5", 5 in w.c.: 5 psi; 10 in w.c.: 5 psi; 25 in w.c.: 5 psi; 50 in w.c.: 5 psi;

100 in w.c.: 9 psi. Temperature Limits: 32 to 140°F (0 to 60°C) Case: -76 to 140°F (-60 to 60°C)

(Note: Product temperature limits differ from case). **Compensated Temperature Limits: 32** 

to 140°F (0 to 60°C)

Thermal Effects: 0.020%/°F (0.036/°C) from 77°F (25°C). Power Requirements: 12 to 28 VDC, 12 to 28 VAC 50 to 400 Hz.

Power Consumption: 3 VA max. Output Signal: 4 to 20 mA DC into 900

Ω max. Zero & Span Adjustments: Accessible

via menus in safe zone only.

female. Cable gland not included. Weight: 12.3 lb (5.6 kg).

Electrical Wiring: Screw terminal. Mounting Orientation: Mount unit in vertical plane.

Enclosure Rating: (IP66). IP65 with option OPV, overpressure relief valve. Dial Size: 5" (127 mm) OD x 3-1/8" (79.38 mm)

ATEX Approved Products from Comhas with ECN: BVI 14ATEX0072.

Agency Approvals: CE 1370 (Ex) II2 GD Ex d IIC Gb T6; -60°C  $\leq$  Ta  $\leq$  +60°C Ex tb IIIC Db T 85°C.

SWITCH SPECIFICATIONS Switch Type: 2 SPDT relays. Electrical Rating: 1 A @ 30 VAC/VDC Set Point Adjustment: Adjustable via keypad on face in safe zone only.

Differential Pressure Gages/Switches, Transmitters
Pressure s, Transmitters

PRESSURE

MODEL CHART										
Example	AT2DH3	-002	-A	0	1	X	T2	AT2DH3-002-AO1XT2		
Series	AT2DH3							ATEX approved DH3 differential pressure controller		
Range		002 003 004 005 006 007 009 010 011 013 014 015 016 017 018						$\begin{array}{l} 0 \mbox{ to } 0.25 \mbox{ in w.c. } (0 \mbox{ to } 62.2 \mbox{ Pa}) \\ 0 \mbox{ to } 0.5 \mbox{ in w.c. } (0 \mbox{ to } 124.4 \mbox{ Pa}) \\ 0 \mbox{ to } 1 \mbox{ in w.c. } (0 \mbox{ to } 224.8 \mbox{ Pa}) \\ 0 \mbox{ to } 5.5 \mbox{ in w.c. } (0 \mbox{ to } 1244.2 \mbox{ Pa}) \\ 0 \mbox{ to } 10 \mbox{ in w.c. } (0 \mbox{ to } 1244.2 \mbox{ Pa}) \\ 0 \mbox{ to } 25 \mbox{ in w.c. } (0 \mbox{ to } 1244.2 \mbox{ Pa}) \\ 0 \mbox{ to } 50 \mbox{ in w.c. } (0 \mbox{ to } 12442 \mbox{ Pa}) \\ 0 \mbox{ to } 50 \mbox{ in w.c. } (0 \mbox{ to } 12442 \mbox{ Pa}) \\ 0 \mbox{ to } 50 \mbox{ in w.c. } (0 \mbox{ to } 12442 \mbox{ Pa}) \\ 0 \mbox{ to } 100 \mbox{ in w.c. } (0 \mbox{ to } 2488 \mbox{ Pa}) \\ 0.25 \mbox{ to } 0 \mbox{ to } 0.25 \mbox{ in w.c. } (124.4 \mbox{ to } 0124.4 \mbox{ Pa}) \\ 1 \mbox{ to } 0 \mbox{ to } 15 \mbox{ w.c. } (1244.2 \mbox{ to } 01244.2 \mbox{ Pa}) \\ 2.5 \mbox{ to } 0 \mbox{ to } 5.1 \mbox{ w.c. } (1244.2 \mbox{ to } 01244.2 \mbox{ Pa}) \\ 2.5 \mbox{ to } 0 \mbox{ to } 5.1 \mbox{ w.c. } (1244.2 \mbox{ to } 01244.2 \mbox{ Pa}) \\ 10 \mbox{ to } 10 \mbox{ in w.c. } (1248.4 \mbox{ to } 01244.2 \mbox{ Pa}) \\ 10 \mbox{ to } 10 \mbox{ in w.c. } (1248.4 \mbox{ to } 01244.2 \mbox{ Pa}) \\ 10 \mbox{ to } 10 \mbox{ in w.c. } (2488.4 \mbox{ to } 01244.2 \mbox{ Pa}) \\ 10 \mbox{ to } 10 \mbox{ in w.c. } (2488.4 \mbox{ to } 012448.4 \mbox{ Pa}) \\ 10 \mbox{ to } 10 \mbox{ in w.c. } (2488.4 \mbox{ to } 01244.2 \mbox{ Pa}) \\ 10 \mbox{ to } 10 \mbox{ in w.c. } (2488.4 \mbox{ to } 012448.4 \mbox{ Pa}) \\ 10 \mbox{ to } 10 \mbox{ in w.c. } (2488.4 \mbox{ to } 0124488.4 \mbox{ Pa}) \\ 10 \mbox{ to } 10 \mbox{ in w.c. } (2488.4 \mbox{ to } 0124488.4 \mbox{ Pa}) \\ 10 \mbox{ to } 10 \mbox{ to } 10 \mbox{ to } 124488.4 \mbox{ Pa}) \\ 10 \mbox{ to } 10 \mbox{ to } 10 \mbox{ to } 100 \mbox{ to } 124488.4 \mbox{ Pa}) \\ 10 \mbox{ to } 10 \mbox{ to } 100 $		
Housing Material			А					Aluminum		
Cover				B O				Blind Glass top cover		
Process Connection					1 2			1/8" NPT F brass ports 1/8" NPT F SS ports		
Overpressure Plug						X OPV		Standard without overpressure relief valve Overpressure relief valve Material same as port		
Tag							T2	SS information label		

USA: California Proposition 65

AWARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov