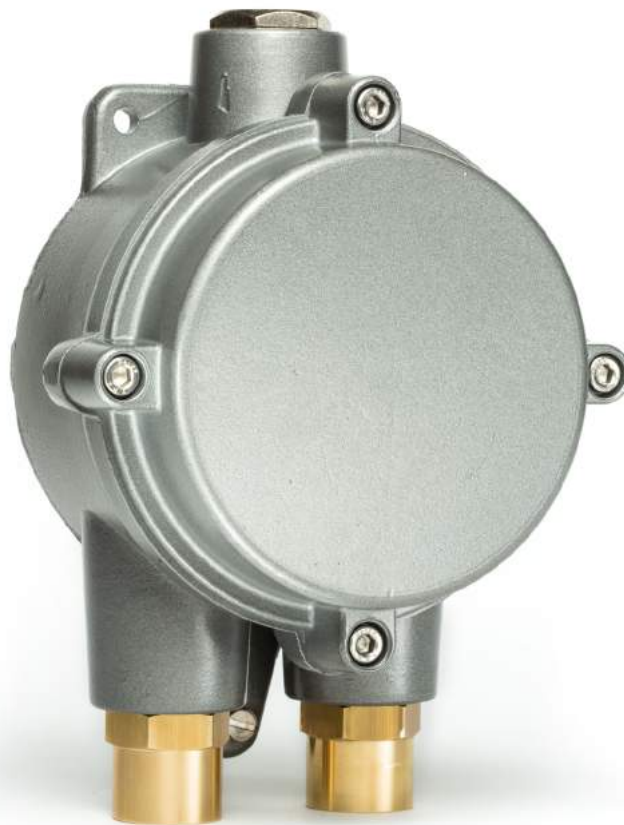



AT6-1900

Explosion-proof Atex/IECEX Exd differential pressure switch for low ranges



- One of the most popular Dwyer® pressure switch series 1900 it is now available from Comhas as single instrument Atex/IECEX approved
- 6 models for operating ranges from 0.07 inches W.C. (18 Pascal) to 20 inches W.C. (5000 Pascal)
- Repeatability $\pm 3\%$

ATEX	<p>CE 1370  II 2G Ex d IIC T6 Gb II 2D Ex tb IIIC T85°C Db, -60°C ≤ T_{amb} ≤ +60°C Certificate: BVI 15 ATEX 0076</p>
IECEX	<p>Ex d IIC T6 Gb Ex tb IIIC T85°C Db IP66 Certificate: IECEX EPS 15.0063X</p>
ENCLOSURE RATING	IP66



AT6-1900 SPECIFICATIONS

Service:	air and compatible gases
Wetted parts:	consult factory
Temperature limits:	Pressure switch 1900: -30 to 180°F (-34 to 82.2°C). Case: -76 to 140°F (-60 to 60°C)*
Pressure limits:	45"W.C. (11.2 kPa) continuous 10 psig (68.95 kPa) surge
Switch:	type SPDT.
Repeatability:	±3%.
Electrical rating:	15A @ 120-480 VAC 60 Hz resistivo 1/8 HP @ 125 VAC 1/4 HP @ 250 VAC, 60 Hz Derate to 10A for operating at high cycle rates.
Electrical wiring:	3 screw type, common, normally open and normally closed.
Set point adjustment:	screw type on pressure switch inside the Exd enclosure accessible only opening the housing. Setpoint regulation must be done with instrument de energised. Follow instructions and safety warning to open cover.
Installation:	in vertical position
Diaphragm:	silicon rubber standard
Housing material:	aluminium
Finishing:	texture epoxy coated RAL 9022
Pressure connections:	1/8" NPT F or G 1/8" F In presence of acetylene it is necessary to use stainless steel.
Electrical connections:	1 x M25 x 1.5 F standard (cable gland not included)
Dimensions:	see drawing below
Weight:	2.4 Kg ab.

* Operating ambient temperature is defined also according to the options and pressure instrument choosed.

**CAUTION FOR USE ONLY WITH AIR OR COMPATIBLE GASES!
CONTACT FACTORY FOR USE WITH GASES, OTHER THAN AIR AND NITROGEN.**

IMPORTANT NOTES FOR INSTALLATION:

Cables must be fitted through M25x1.5 cable gland or Atex/IECEX conduit (not supplied withinstrument).

Make sure after cabling to close tight cover and cable gland, in order to keep IP66 rating

Open cover only after de-energising instrument.

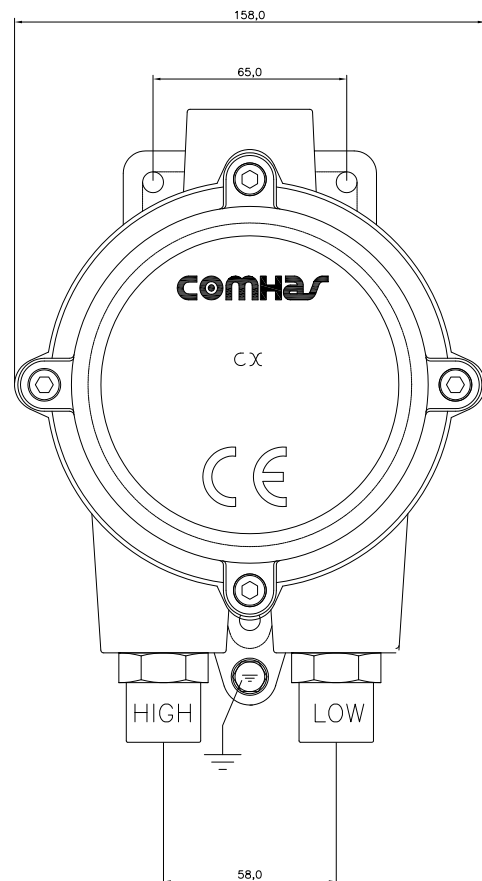
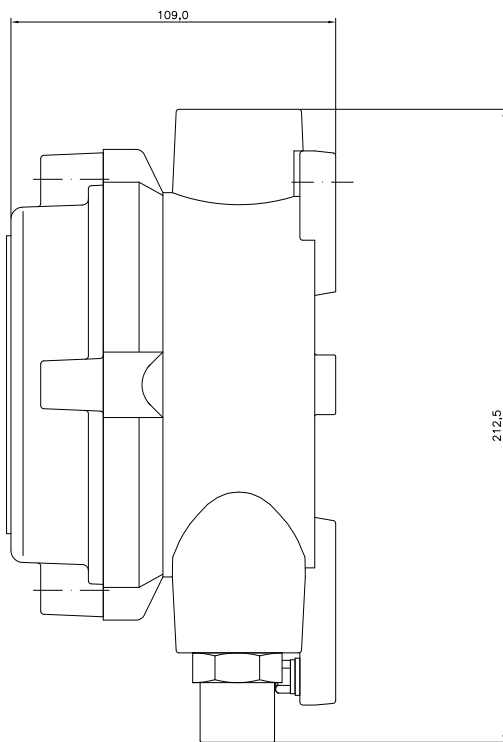
Attention: check local safety rules and warnings on unit and manual for a correct use of the instrument in hazardous area.

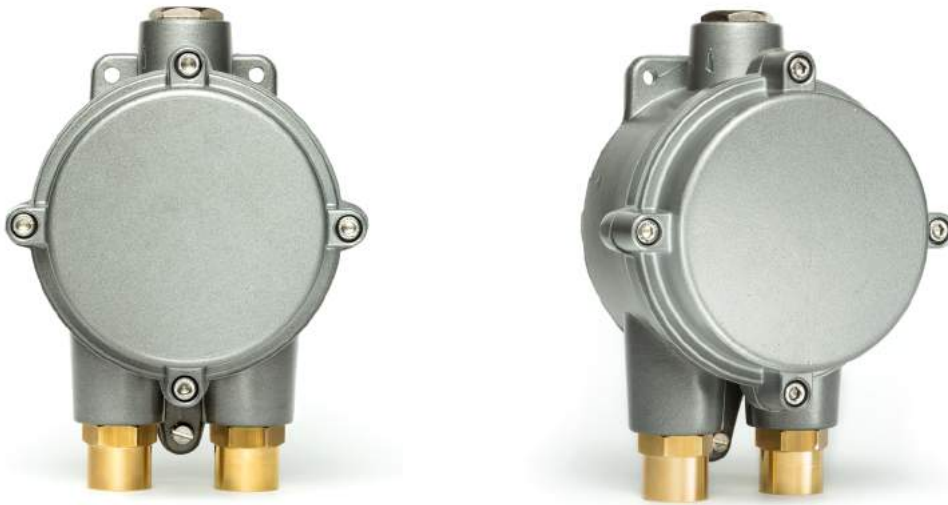


STANDARD RANGES

MODEL	OPERATING RANGES	USCITA	AT MAX SET POINT
1910-00	0.07-0.15 Inch W.C. (17.5-37 Pa)	0.04 Inch W.C. (10 Pa)	0.04 Inch W.C. (10 Pa)
1910-0	0.15-0.55 Inch W.C. (37.5-137 Pa)	0.1 Inch W.C. (25 Pa)	0.1 Inch W.C. (25 Pa)
1910-1	0.40-1.6 Inch W.C. (100-398 Pa)	0.15 Inch W.C. (38 Pa)	0.16 Inch W.C. (40 Pa)
1910-5	1.4-5.5 Inch W.C. (348.5-1368 Pa)	0.3 Inch W.C. (75 Pa)	0.3 Inch W.C. (75 Pa)
1910-10	3.0-11.75 Inch W.C. (747-2924 Pa)	0.4 Inch W.C. (100 Pa)	0.4 Inch W.C. (100 Pa)
1910-20	4.0-20.0 Inch W.C. (996-4977 Pa)	0.4 Inch W.C. (100 Pa)	0.4 Inch W.C. (100 Pa)

DIMENSION





CODIFICA ORDINAZIONE

CODE	AT6	-	1900	-	0	/	A	/	B	/	G	/	B	/	T1	/	*
Model			1900														
Ranges	See ranges table (code to be indicated)				0												
Materiale housing	Alluminium						A										
Option for enclosure body	Blind top cover								B								
Process connections	G1/8" F										G						
	1/8" NPT F										N						
Material process connections	Brass												B				
	Stainless steel 316												S				
Tag	Alluminio														T1		
Other options	1 - 10 V																*

Es. Cod. Ordinazione
 T100 - 10 - 3 Anemometro T-Flow con campo 0-10 m/sec e uscita 0-10 V.

