

# XMLAM01V2S11

vacuum switch XMLA -1 bar - fixed scale 1  
threshold - 1 C/O



## Main

Range of product	Telemecanique Pressure sensors XM
Product or component type	Electromechanical pressure sensor
Pressure sensor type	Electromechanical vacuum sensor
Device short name	XMLA
Pressure rating	-1 bar
Controlled fluid	Air (0...70 °C) Fresh water (0...70 °C) Hydraulic oil (0...70 °C)
Fluid connection type	G 1/4 (female) conforming to ISO 228
Electrical connection	Screw-clamps terminals, 1 x 0.5...2 x 2.5 mm <sup>2</sup> 1 connector Pg 13
AWG gauge	AWG 20...AWG 14
Cable entry	Cable gland 9...13 mm
Contacts type and composition	1 C/O
Product specific application	-
Pressure switch type of operation	Detection of 1 single threshold
Electrical circuit type	Control circuit
Scale type	Fixed differential
Local display	With
Adjustable range of switching point on rising pressure	-0.76...-0.04 bar
Adjustable range of switching point on falling pressure	-1...-0.28 bar
Maximum permissible accidental pressure	9 bar
Destruction pressure	18 bar
Pressure actuator	Diaphragm
Materials in contact with fluid	304L stainless steel Zinc alloy Nitrile
Enclosure material	Zinc alloy
[In] rated current	3 A, B300, AC-15 (Ue = 120 V) conforming to EN/IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to EN/IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to EN/IEC 60947-5-1

## Complementary

Natural differential at low setting	0.24 bar (+/- 0.05 bar)
Natural differential at high setting	0.24 bar (+/- 0.05 bar)
Maximum permissible pressure - per cycle	5 bar
Terminal block type	4 terminals
Maximum operating rate	120 cyc/mn
Repeat accuracy	2 %

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

[Ui] rated insulation voltage	300 V conforming to UL 508 500 V conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
Auxiliary contacts operation	Snap action
Contacts material	Silver contacts
Maximum resistance across terminals	25 MOhm conforming to IEC 255-7 category 3 25 mOhm conforming to NF C 93-050 method A
Short-circuit protection	10 A cartridge fuse, type gG (gl)
Mechanical durability	3000000 cycles
Setting	External
Height	113 mm
Depth	75 mm
Width	35 mm
Net weight	0.685 kg

## Environment

Standards	CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508 CE
Product certifications	UL LROS (Lloyds register of shipping) CCC EAC CSA BV
Protective treatment	TC standard version
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Operating position	Any position
Vibration resistance	4 gn conforming to IEC 60068-2-6 (f = 30...500 Hz)
Shock resistance	50 gn conforming to IEC 60068-2-27
Electrical shock protection class	Class I conforming to IEC 1140 Class I conforming to IEC 536 Class I conforming to NF C 20-030
IP degree of protection	IP66 conforming to EN/IEC 60529

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.0 cm
Package 1 Width	12.0 cm
Package 1 Length	8.0 cm
Package 1 Weight	698.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	13
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	9.278 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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Dimensions



- (1) 1 fluid entry, tapped G1/4 (BSP female)
- (2) 1 electrical connections entry, tapped Pg 13.5
- Ø : 2 elongated holes Ø 5.2 x 6.7

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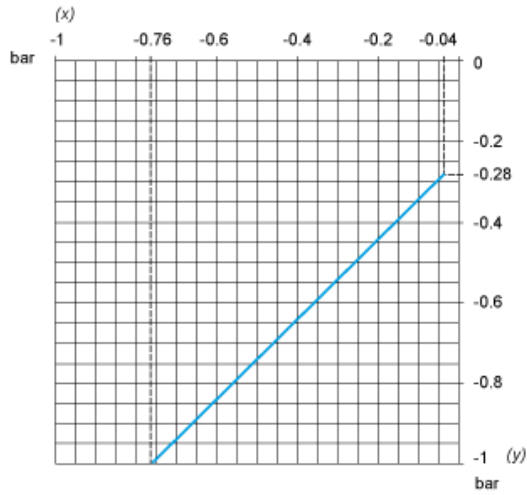
## Wiring Diagram

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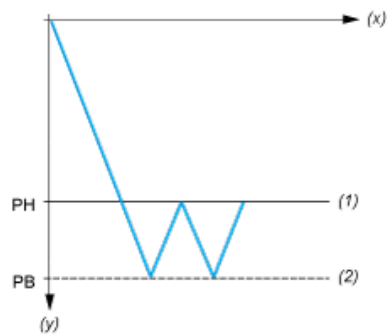
### Terminal Model



Operating Curves



- (x) Rising pressure
- (y) Falling pressure



- (x) Time
- (y) Vacuum
- (1) Adjustable value
- (2) Non adjustable value
- PH : High point
- PB : Below point