Product data sheet
Characteristics

XMLA010A2C11
pressure switch XMLA 10 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 pressure sensor
Device short name	XMLA
Pressure rating	10 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	1 male connector EN 175301-803-A (ex DIN43650), 4 pins
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	0.6…10 bar
Adjustable range of switching point on falling pressure	0.1…9.5 bar
Maximum permissible accidental pressure	22.5 bar
Destruction pressure	45 bar
Pressure actuator	Diaphragm
Materials in contact with fluid	Zinc alloy FPM, FKM
Enclosure material	Zinc alloy
[In] rated current	3 A, B300, AC-15 (Ue = 120 V) conforming to IEC 60947-5-1 1.5 A, B300, AC-15 (Ue = 240 V) conforming to IEC 60947-5-1 0.1 A, R300, DC-13 (Ue = 250 V) conforming to IEC 60947-5-1

Complementary

Natural differential at low setting	0.5 bar (+/- 0.05 bar)
Natural differential at high setting	0.5 bar (+/- 0.05 bar)
Maximum permissible pressure - per cycle	12.5 bar
Maximum operating rate	120 cyc/mn
Repeat accuracy	2 %
[Ui] rated insulation voltage	300 V conforming to UL 508 500 V conforming to IEC 60947-1 300 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV conforming to 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	5000000 cycles
Setting	External
Height	113 mm
Depth	75 mm
Width	35 mm
Net weight	0.715 kg

Environment

Standards	CSA C22.2 No 14
	CE
	UL 508
	IEC 60947-5-1
Product certifications	LROS (Lloyds register of shipping)
	[RETURN]CCC[RETURN]BV[RETURN]CSA[RETURN]UL
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	IP65 conforming to IEC 60529

Packing Units

| Unit Type of Package 1 | PCE |
Number of Units in Package 1	1
Package 1 Height	3.800 cm
Package 1 Width	11.000 cm
Package 1 Length	11.800 cm
Package 1 Weight	741.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	13
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	9.856 kg

Offer Sustainability

| Sustainable offer status | Green Premium product |
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 www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

| Warranty | 18 months |

Telemecanique
Sensors

Dimensions

(1)   1 fluid entry, tapped G1/4 (BSP female)
(2)   EN 175301-803-A connector
Ø :   2 elongated holes Ø 5.2 x 6.7

XMLA010A2C11
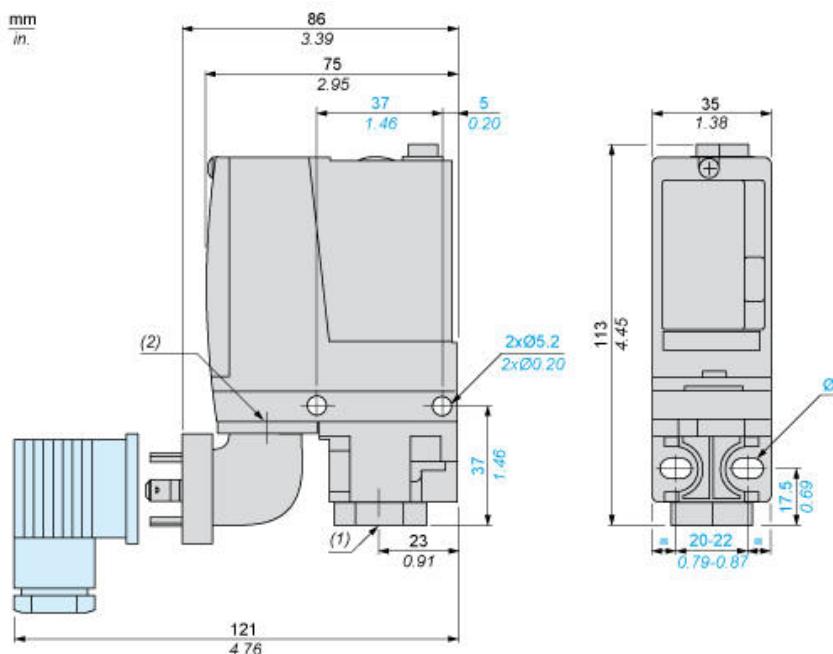
Wiring Diagram

Terminal Model
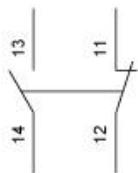
Wiring Diagram

Vacuum Switch Connector Pin View

(1)   11 and 13
(2)   12
(3)   14

Telemecanique
Sensors
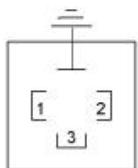
## Operating Curves
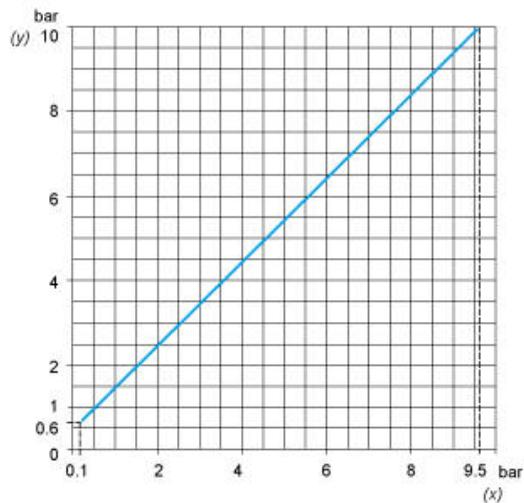
(y) Rising pressure
(x) Falling pressure
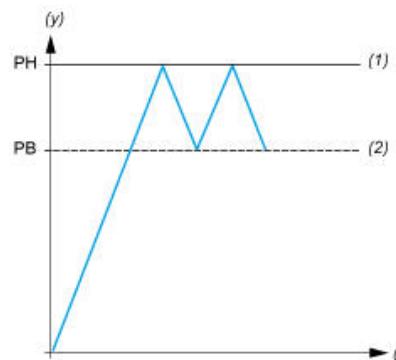
(y) Pressure
(x) Time
(1) Adjustable value
(2) Non adjustable value
PH : High point
PB : Below point