

TYPE 902

Adjustable pressure switch with changeover switch
G1/4" Female connection thread / slab connection

Dimensions 30x30x107



A Kant pressure switch Type 902 has an integrated electrical changeover switch. When pressure is applied, a diaphragm is deformed or a piston is displaced via a lifting movement. The deformation or movement depends on an adjustable spring preload. When the switching point is reached, the diaphragm or piston has undergone a defined movement which actuates the switch and opens or closes the electrical circuit. Specific pressure values can be monitored via the switching signal.

	ADJUSTMENT RANGE [mbar]	OVERPRESSURE SAFETY	ORDER NUMBER
DIAPHRAGM	0,2 – 2	100 bar	902-2-ABC
	1 – 10		902-10-ABC
	2 – 20	200 bar	902-20-ABC
	5 – 50		902-50-ABC
	10 – 100		902-100-ABC
PISTON	10 – 100	600 bar	902-100-ABC
	20 – 200		902-200-ABC
	40 – 400		902-400-ABC

REPRODUCIBILITY	~ 2-5%	ELECTRICITY MAX.	2A ; optionally 10A
HYSTERESIS	~ 20-30% ; smaller upon request	TYPE OF PROTECTION	IP 55
SWITCHING ELEMENT	Changeover contact	PERMISSIBLE TEMP.	-20° to +100° C
SWITCHING FREQUENCY	200/min	WEIGHT	0,38 kg
VOLTAGE	250 Volt		

A Thread

	A
G 1/4 (Female thread)	2

B Sealing element

	B	APPLICATION
DIAPHRAGM	NBR	1 Hydraulic oil, Machine oil, Heating oil, Nitrogen, sea water
	FKM (VITON)	2 Hydraulic fluids, Petrol, Alcohol, Salt and Sulphuric acid
	EPDM (APTK)	3 Hydrogen, Brake fluid, Acetylene, etc.
	SILICONE	4 Food, Water etc.
PISTON	PISTON SEALING	8 Oil
	PISTON SEALING	9 Hot water

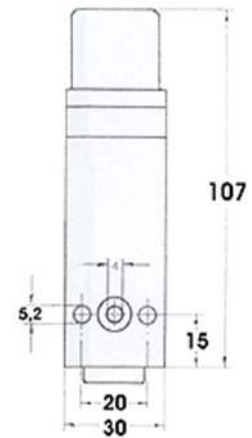
C Body material

	C
ALU	5
VA 1.4305	2

D Customized version

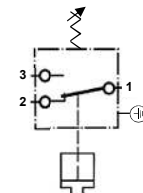
	D
FOR PLATE CONSTRUCTION	2
MICROSWITCH WITH GOLD PLATED CONTACTS	5
WATERPROOF MICROSWITCH WITH GOLD PLATED CONTACTS	6

The Open, Close or Change function refers to increasing pressure.



Drawing with slab connection

CONNECTION:



➔ Order Number Example:

ABCD
 902-XX-2115
 ——— Customized version
 ——— Material
 ——— Sealing element
 ——— Thread
 ——— Setting range
 ——— Type