

0196/0197

Diaphragm/piston pressure switches max 24 V Stainless steel (1.4305) body

With snap action switch and gold contacts
Max. voltage 24 V
Overpressure safe to **4350/8700** psi¹⁾
Adjustable differential at factory

RoHS COMPLIANT

With male thread



- Also available with switching point preset in our factory.
- For ready-wired variants, see page 34 onwards.
- Other body materials and connection threads on request.
- Other diaphragm / seal materials on request, e.g. HNBR, silicone (last one for diaphragm type only).



• Accessories: see page 33



• For further technical data, see page 21.

0196 Diaphragm pressure switches with spade terminals

Adjustment range in psi	Tolerance in psi (at room temperature)	Thread	Order number	p _{max.} in psi
7.25 – 72.5	± 2.9	1/4" BSPP	0196 457 03 003	4350 ¹⁾
14.5 – 145	± 7.25		0196 458 03 006	
145 – 725	± 43.5		0196 459 03 009	
145 – 1450	± 43.5 – 72.5		0196 461 03 012	

0197 Piston pressure switches with spade terminals

Adjustment range in psi	Tolerance in psi (at room temperature)	Thread	Order number	p _{max.} in psi
725 – 2900	± 72.5	1/4" BSPP	0197 460 03 003	8700 ¹⁾

Order number
Add figure for diaphragm/seal material

019X XXX XX X XXX

NBR (BunaN)	Hydraulic / machine oil, turpentine, heating oil, air etc.	=	1
EPDM	Water, hydrogen, acetylene, ozone, brake fluid etc.	=	2
FKM	Hydraulic fluids (HFA, HFB, HFC, HFD), petrol/gasoline etc.	=	3
See page 21 for temperature ranges of diaphragm/seal materials			

Warning!

When using with oxygen, the relevant accident-prevention regulations must be observed. In addition, we recommend that a maximum operating pressure of 145 psi is not exceeded.

¹⁾ Static pressure, dynamic pressures should be 30 to 50% lower. These values refer to the hydraulic or pneumatic part of the pressure switch.

Degree of protection IP65

The type approval does not apply without restriction to all environmental conditions. It is the responsibility of the user to check whether the connection complies with regulations other than those stated, and whether it can be used for special applications which could not be foreseen by us in advance.