

TP: Pneumatic Pressure Switch

The Pneumatic Pressure Switch (model TP) device has been designed to drive lock-up devices to the safety shut down position in the event supply air pressure falls below the operating safety value. The switching value is easily adjustable and the device allows maintainers to set the switching pressure required to activate the switch in the safety/shut down function. The switching device operates immediately, even in the case of a gradual air-pressure decrease to the set value. The device will automatically reset after a failure, when the line pressure is 1 bar greater than set pressure to avoid instability around the device set point.



Aluminium
with square plate

Key features

- > Standard, offshore, sandstorm and copper-free ambient condition
- > Low and high ambient temperature
- > Single and double acting actuators

Benefits

- > Accurate pressure setting
- > Set screw lockable with nut
- > Insensitive to vibrations
- > Small dimensions and light weight allows mounting on lock-up 3 way valve
- > Reset hysteresis with established safety

Technical specifications

Housing materials

Anodized aluminum
Stainless steel 316

Operating temperature*

-20°C / +70°C
-40°C / +70°C available on request
-20°C / +85°C available on request

Pilot signal connection

1/8" NPT

Operating pressure

P min = 2 bar
P max = 7 bar
Design pressure = 10 bar

Output connections

Fig 1: 1/8" NPT
Fig 2: 1/8" NPT, 1/4" NPT

Weight

Aluminum = 0.4 kg
Stainless steel 316 = 0.8 kg

* Lower or higher temperature available on request



Stainless Steel 316
with threaded connection

Dimensional drawing

