

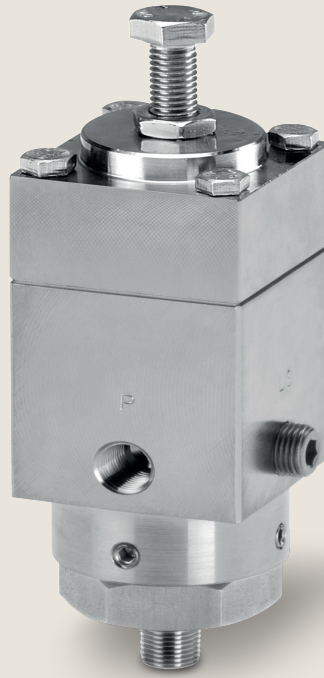
# Process Automation

IMI STI

TP

Pneumatic Pressure Switch





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.

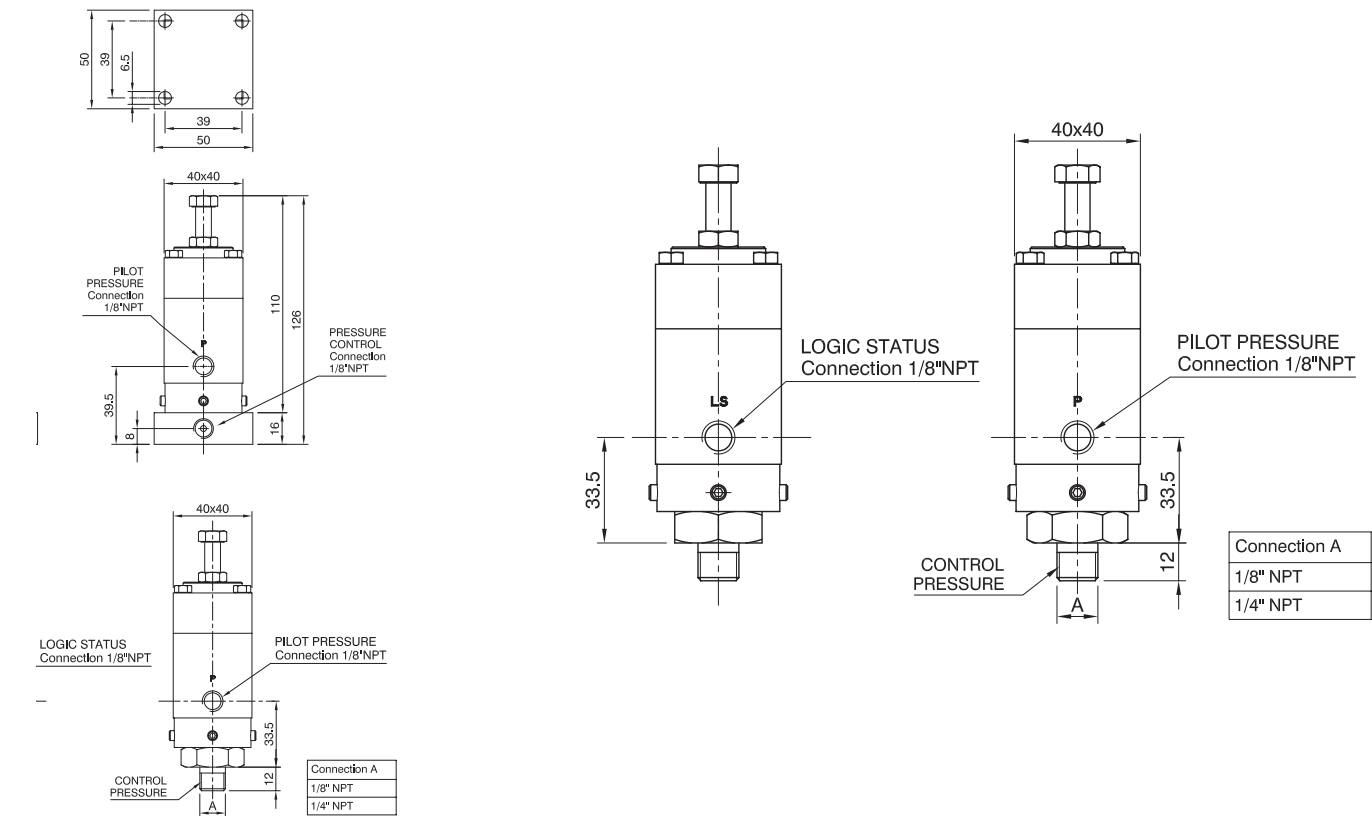
Product features

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

Housing materials Anodized aluminum Stainless steel 316	Pilot signal connection 1/8" NPT	Output connections Fig 1: 1/8" NPT Fig 2: 1/8" NPT, 1/4" NPT
Operating temperature* -20°C / +70°C -40°C / +70°C available on request -20°C / +85°C available on request	Operating pressure P min = 2 bar P max = 7 bar Design pressure = 10 bar	Weight Aluminum = 0.4 kg Stainless steel 316 = 0.8 kg
* Lower or higher temperature available on request		

Dimensional drawing



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.
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