

Pneumatic Sensor Fittings

The sensor detects the pressure drop when a cylinder reaches the end of its stroke. They produce a **pneumatic or electric output signal** when the pressure drop in the exhaust chamber of the cylinder goes below their back pressure threshold.

Product Advantages

- Easy-to-Use** | Suited to changes of series: no adjustment to position detectors is necessary
- With Pneumatic Output** | Totally pneumatic installation
2 possible installations:
 - Supplied with permanent pressure (P1): produces a pneumatic signal when the back pressure threshold is reached
 - Supplied from the control valve-cylinder circuit on the opposite side: no unexpected pneumatic signal (S) can appear during pressurisation due to the actuating pressure which supplies the sensor fitting (P1)
- With Electrical Output** | Combined electrical and pneumatic installation
Installation with continuous electrical supply only (BU)
Guarantees an electrical signal when the back pressure threshold is reached



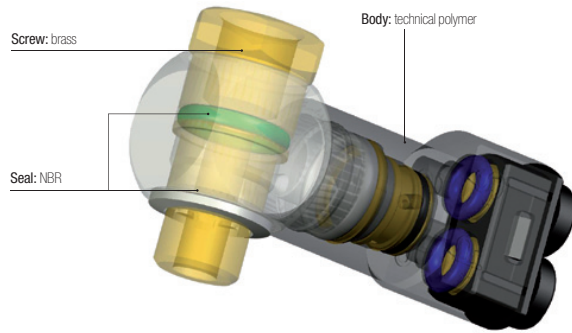
Applications

Robotics
Textile
Semi-Conductors
Packaging
Pneumatics

Technical Characteristics

Compatible Fluids	Compressed air
Working Pressure	3 to 8 bar
Working Temperature	-15°C to +60°C
Back Pressure	0.85 to 1 bar
Switching Time	Model 7818: 3 ms
Open/Closed Contact	Model 7828: 2A / 0-48 V 2A / 250 V 50 Hz

Component Materials



Silicone-free

Regulations

- DI: 2002/95/EC (RoHS)
- RG: 1907/2006 (REACH)
- DI: 97/23/EC (PED)

Operation

Pneumatic Installation Diagram



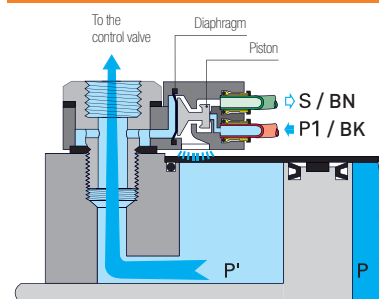
P': Exhaust back pressure
P: Dynamic pressure
P1: Sensor supply pressure
S: Output signal

Electrical Installation Diagram



Connection via 3 core 0.5 mm² cable, 2 meters long.
Contactor: 5A / 250 V ~ or 5W / 48V ==

Cylinder in Operation



Cylinder in Final Position

