# **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**

Easyto-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



Robotics Textile Semi-Conductors Packaging Pneumatics

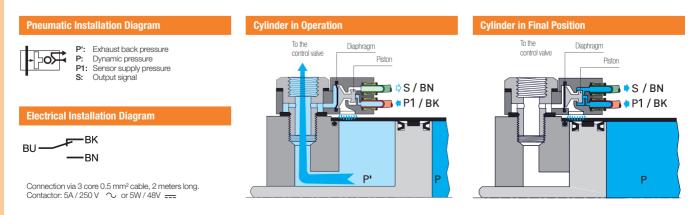
### **Technical Characteristics**

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

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

Regulations

### Operation



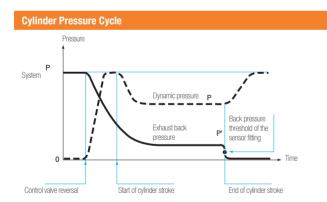
4-50 **Clegris** 

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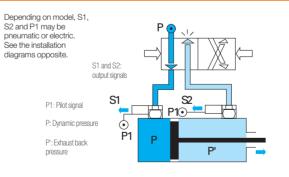
7818	7818 Pneumatic Sensor Fitting, Male BSPP and Metric Thread							+ <b>]-05</b>					
Zamak, NBR, technical p	olymer, brass		ØD	C	٤	F	Н	J	L	L1	Kg		
				M5x0.8	7818 04 19*	8	16	11	43.5	5.5	0.025		
			- \PTITV =	G1/8	7818 04 10	14	23	16	44.5	8	0.043		
				G1/4	7818 04 13	17	28	19.5	46.5	10	0.061		
	Sec			G3/8	7818 04 17	22	29	23.5	49	12	0.083		
-	27	C Ø4		G1/2	7818 04 21	27	30	31.5	52.5	16	0.125		
			* Bolt	zinc passi	vated steel								

<b>7818</b> I	Pneumatic Sensor, Male/Female BSPP Thread							- ]-05					
Zamak, NBR, technical po	olymer, brass		C	٤	F	Н	J	L	L1	Kg			
		DJ C OF	G1/8	7818 19 10	14	23	16	40.5	8	0.049			
	Te		G1/4	7818 19 13	17	28	19.5	42.5	10	0.065			

7828 Pneum	atic/Electric Sensor, M	Male/Female BSPP and Metric Thread						- <b>P</b>				
Technical polymer, NBR, brass		C	٤.	F	Н	H1	J	L	L1	Kg		
	-	M5x0.8	7828 00 19	8	20	10	11	49	5.5	0.116		
		G1/8	7828 00 10	6	20	10	16	52	8	0.132		
The second second		G1/4 7	7828 00 13	8	20	10	21	54	10.5	0.140		
China		G3/8	7828 00 17	10	22	12	28	57	14	0.184		
		G1/2	7828 00 21	12	26	14	33	58	16.5	0.206		



#### Installation Diagram



**Function Fittings** 



