



## PRESSURE SWITCH – SP SERIES

DESCRIPTION
<p>The SP series Pressure Switch is best suited to the following applications:</p> <ul style="list-style-type: none"><li>• Heating (wall heaters)</li><li>• Air conditioning systems</li><li>• Boiler systems ( irons, coffee, carpet cleaners, gardening etc...)</li><li>• Industrial applications</li></ul>
<p>Comprising a sensor element in AISI, it is appropriate for use with various fluids in liquid and gas form at temperatures up to 150°C.</p>
<p>The microswitch is indirectly actioned by means of a lever moved by the expansion of the membrane.</p>
<p>The calibration of the product can be adjusted by means of the central spring.</p>
<p>It is constructed in reinforced thermoplastic so as to withstand mechanical stress and high thermodynamic conditions.</p>
<p>The use of ultrasound welding technology makes the bond between components uniform and stable over time, avoiding metal joints or riveting.</p>



<b>OPERATIONAL FEATURES</b>	
Adjustment range	1° Range : 0,2÷1,2 bar
	2° Range : 1,0÷2,5 bar
	3° Range : 1,5÷4,0 bar
	4° Range : 3,0÷6,0 bar
Maximum overload pressure	10 bar
Fluid temperature	150°C
Ambient temperature	120°C
Electrical data	16 A, 250 V~
Microswitch electrical durability	100 K cycles
Pressure switch mechanical durability	> 20 bar

<b>CONSTRUCTION FEATURES</b>	
Plastic casing	Polyarylamide Solvay (also available as IEC 60695-2-12 GWFI approved materials, food approval )
Membrane	AISI 301
Microswitch	- Approved ENEC; KEMA; IMQ - Availability: NO Normally open NC Normally closed DEV Changeover
Terminals	Fast-on 6,3x0,8 RAST 5; RAST 2,5 (electric connections available on request)
Contacts	AgNi10; plated gold on required
Protections degree	IP00; IP45
Weight	24÷26 gr.

<b>ACCESSORIES</b>
Female connector: RAST 2.5; RAST 5
Plastic and brass male adapter available on request: G1/4 with oring; G1/8"

<b>APPROVALS</b>
EN60730-1, EN60730-2-6, EN60335-1-2002 All our products conform to the 2002/95/EC European directive (RoHS)

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