

RT ELECTROMECHANICAL PRESSURE SWITCHES

RT are of the single-pole switches to pressure control that open or close the contact as a function of the variations of inlet pressure. Through the inlet fitting, the bellows is connected to the high pressure side of the system to control. The main spring is calibrated to balance different pressures in the bellows. As pressure increases, the bellows reacts causing the displacement of the rod main upwards until the antagonist spring balance the pressure in the bellows. The rod is provided with a guide ring and a knob for the calibration of both differential and transmit the movement of the rod to the contact system. While all the RT are provided with a bellows, the RT113 is equipped with a diaphragm.

APPLICATIONS

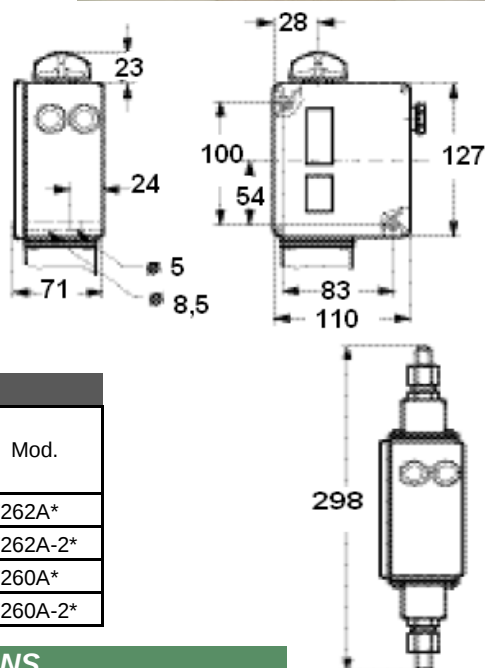
- Industrial and maritime
- Steam boilers safety pressure switch
- Approvals PED, ATEX, naval. CE regulations EN60947-4 / 5

Standard Pressure switches

Setting Range bar	Differential adjustable / fixed bar	Max operative pressure bar	Process connection	Model
-1...0	0.09...0.4	7	G 3/8"	RT121
0...0.3	0.01...0.05	0.4	G 3/8"	RT113
0.1...1.1	0.07...0.16	7	G 3/8"	RT112
0.1...1.1	0.07 fisso	7	G 3/8"	RT112-F
0.2...3	0.08...0.25	7	G 3/8"	RT110
-0.8...5	0.5...1.6	22	G 3/8"	RT1/A*
-0.8...5	0.5 fisso	22	G 3/8"	RT1/A-F
0.2...6	0.25...1.2	22	G 3/8"	RT200
0.2...6	0.25 fisso	22	G 3/8"	RT200-F
1...10	0.3...1.3	22	G 3/8"	RT116
1...10	0.3 fisso	22	G 3/8"	RT116-F
4...17	1.2...4	22	G 3/8"	RT5/A*
10...30	1...4	42	G 3/8"	RT117

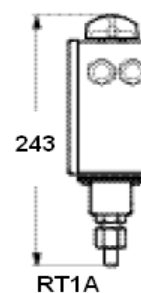
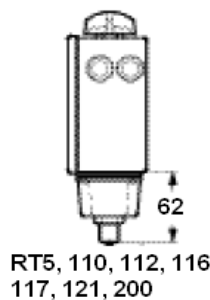
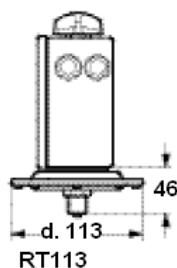
Differential Pressure * S.S. bellows

Range regolazione bar	Diff.le bar	Range esercizio bar	P max esercizio bar	Attacco ISO228/1	Mod.
0.1...1.5	0.1	-1...9	11	G3/8	RT262A*
0...0.3	0,035	-1...10	11	G3/8	RT262A-2*
0.5...4	0,3	-1...18	22	G3/8	RT260A*
1.5...11	0,5	-1...31	42	G3/8	RT260A-2*



TECHNICAL SPECIFICATIONS

Fluid: air, gases, liquids
 Fluid temperature: -50...150°C, RT113 max 90°C. With damping coil max. 400 °C
 Ambient temperature: -50...70°C
 Protection: IP 66; with manual reset IP 54
 Electrical wiring: 2 X Pg 13,5 (cable diameter 5 up to 14 mm)
 Contact system: SPDT, interchangeable with other types
 Contact load: AC-1 Ohmic 10 A, 440 V, AC-3 (engine): 4 A, 400 V, AC-14/15 (coil / transformer.) 3 A, 400 V, DC-13/14 12 W, 230 V
 Options: manual or automatic reset



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KPI - COMPACT PRESSURE SWITCHES

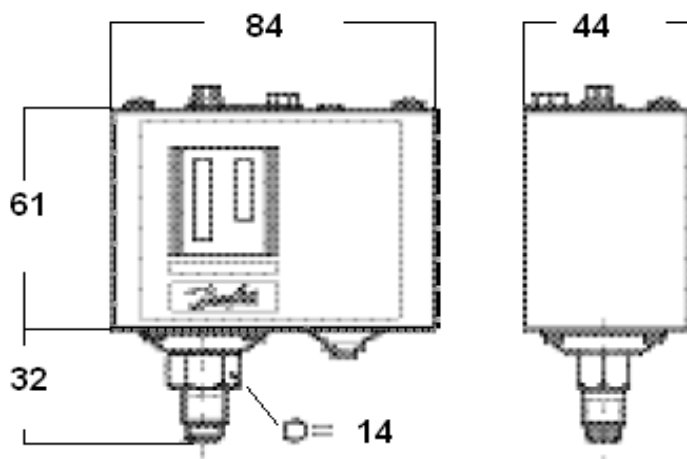
Compact pressure switches, suitable for panel mounting. Vibration-resistant, long life, high contact load. Shock protection. CE mark in accordance with EN 60947-4-5.



Setting Range bar	Differential adjustable / fixed bar	Max operative pressure bar	Process connection	Model
-0.2...8	0.4...1.5	18	G1/4" A	KPI35
-0.2...8	0.5...2	18	G1/4" A	KPI35B
4...12	0.5...1.6	18	G1/4" A	KPI36
2...12	0.5...1.6	18	G1/4" A	KPI36B
8...28	1.8...6	30	G1/4" A	KPI38

TECHNICAL SPECIFICATIONS

Fluid:	air, gases, liquids
Fluid temperature:	-40...100°C,
Ambient temperature:	-40...65°C
Protection:	IP 33; with top cover or protection cap IP54
Electrical wiring:	cabl e glands (diameters 6-14 mm)
Contacts system:	SPDT
Contact load:	AC-1 ohmic 10 A, 440 V, AC-3 (engine): 6 A, 440 V, AC-14/15 (coil/transformer) 4 A, 400 V, DC-13/14 12 W, 220 V
Weight:	0.3 kg



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MPS* - MINI PRESSURE SWITCHES

Compact diaphragm pressure for air or water and hydraulic piston.
Gold plated contacts. Vibration-resistant up to 15 g. For intrinsically
safe circuits. Microswitch approved by UL and CSA.

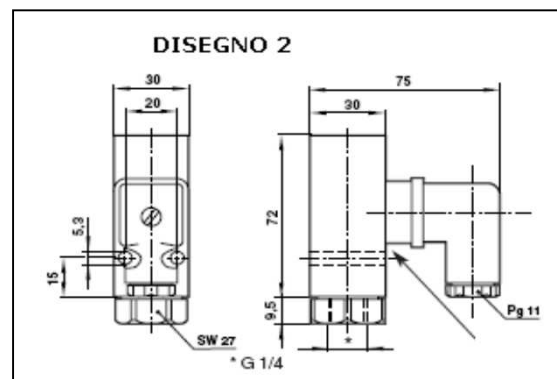
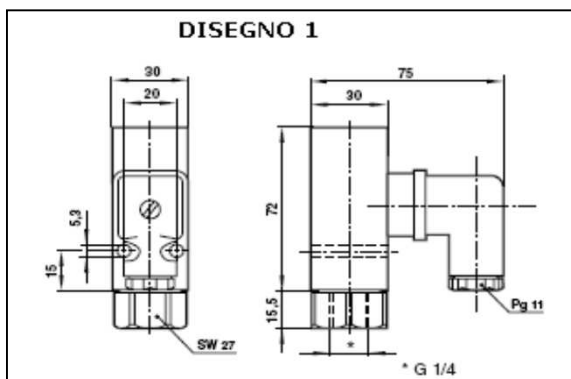
AIR				
Range bar	Differential bar	Over-pressure	models	Drawing
-1...+1	0.25...0.35	80	MPS880110	1
-1...0	0.15...0.18	80	MPS880120	1
0.2...2	0.15...0.27	80	MPS880200	1
0.5...8	0.25...0.65	80	MPS880300	2
1...16	0.30...0.90	80	MPS880400	2
1...30	1.00...5.00	80	MPS880600	2
WATER				
0.2...2	0.15...0.18	80	MPS880219	1
0.5...8	0.25...0.65	80	MPS880323	2
OIL				
5...70	10.5...15	400	MPS882100	1
10...160	11...17	400	MPS882200	1
25...250	11...17	400	MPS882300	1
40...420	17...38	600	MPS882400	1



Drawing:

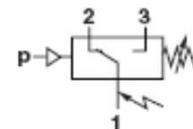
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TECHNICAL SPECIFICATIONS

Temperature:	-10...+80 °C		
Viscosity:	max 1000 mm ² /s		
Repeatability:	+/-3% (+/-4% vacuum)		
Switching:	max 100 cycles / min		
Protection:	IP65		
Materials:	Air	Water	Oil
	Body alluminum	bronze	Aluminum/Steel
	gaskets Viton / Perbunan	NBR	PTFE/NBR
Contact load:	V250 ac max 5A resistive 3A inductive		
Electrical wiring:	DIN EN 175391-803 form A		



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B12MN PRESSURE LIMIT SWITCH MANUAL RESET

Limit and safety pressure switches with manual reset, suitable for steam generators, fluids and inert gases.

Compliance with EN 60947-4-1

Quick switch with AgCdO contacts and manual reset.

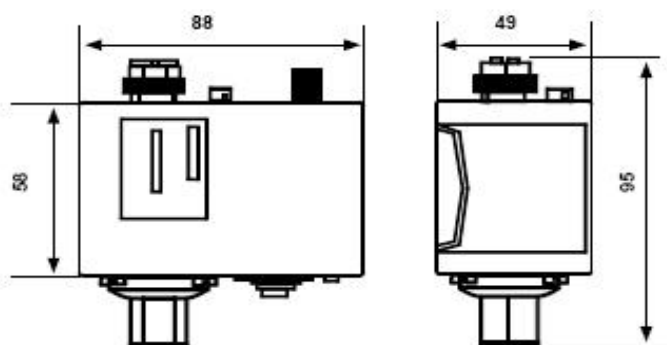
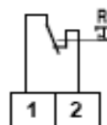
OPERATION: When pressure increases: 1-2 opens; manual reset to maximum pressure, reconnection will occur when the pressure will be below the value set on the differential.

Calibration screw arranged to be sealed after the test.



TECHNICAL SPECIFICATIONS

Range bar:	1...5
Differential bar:	fixed 0.6
Bellow's pressure Max :	9 bar
Process connection:	G1/4 F
Protection:	IP40
Rated insulation voltage:	Ui 415V~
Rated current continuous service:	Ith 16A
Rated operational current:	220V 380/415V~
Resistive load:	AC1 - 16A
Inductive load:	AC3 - 6A
Direct current:	DC3 0,2A -
Bellow:	with stainless steel diaphragm, laser welded
Materials:	metal frame, shockproof thermoplastic cover
Output connections:	PVC cable gland
Fluid temperature:	120°C max
Ambient temperature:	60°C max



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