

Pressure Switch



Type	: PSM - 550
Units	: Bar, psi
Switching function	: Single pole double throw (SPDT)
Differential /hysteresis	: Adjustable
Process connections	: G 3/8" B
Non-repeatability	: ≤ %1
Electrical Connection	: Cable gland ½ NPT
Protection Class	: IP 67
Details	: For further details please see data sheet PV 35.01
Approvals	: EU declaration of conformity, Low voltage directive, RoHS directive
Applications	: Boilers, Pumps, Lubrication Systems, Hydraulic Systems, Autoclaves etc.

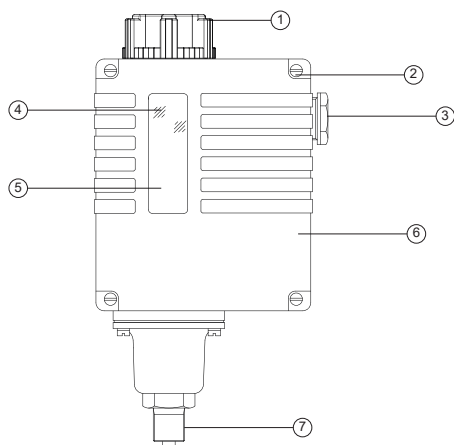
Pressure Switch



Type	: PSM - 520
Units	: Bar, psi
Switching function	: Single pole double throw (SPDT)
Differential /hysteresis	: Adjustable
Process connections	: G ¼ female, G ¼ B
Non-repeatability	: ≤ 2 %
Electrical Connection	: Rubber grommet for cables Ø 6 ... 14 mm
Protection Class	: IP 30
Details	: For further details please see data sheet PV 35.01
Approvals	: EU declaration of conformity, Low voltage directive, RoHS directive
Applications	: Steam Generators, Pumps, Compressors etc.

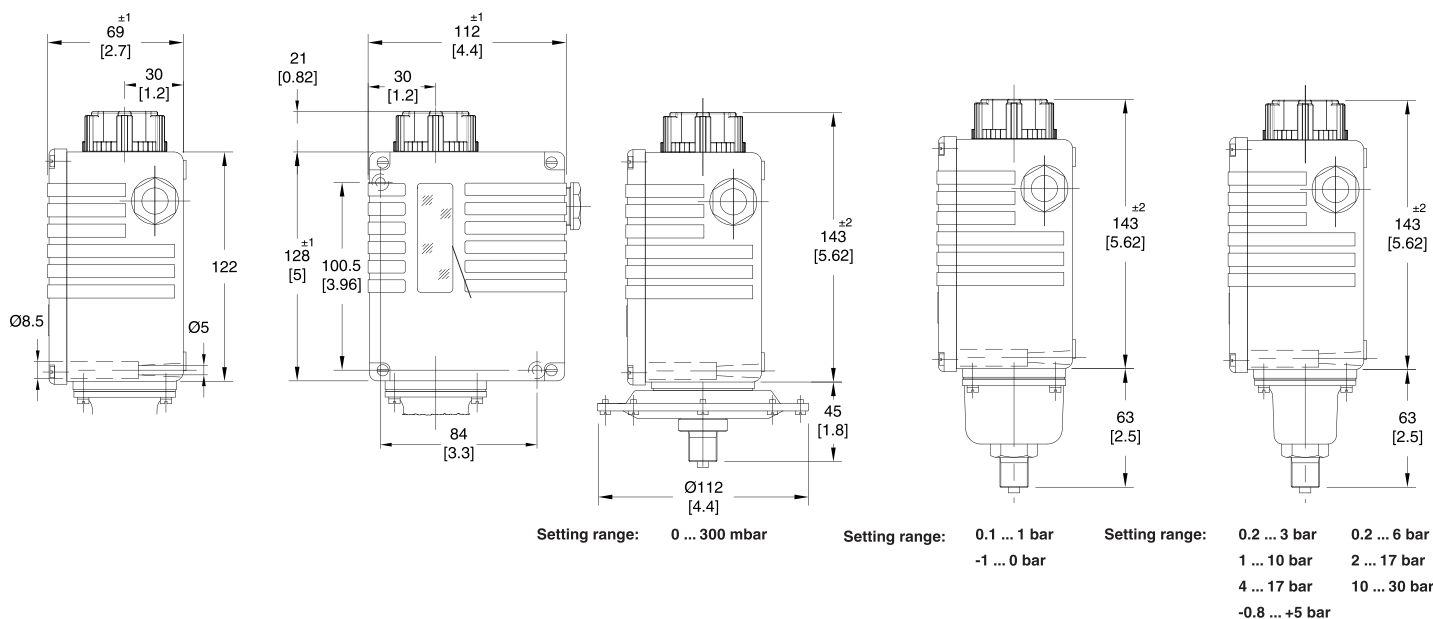
TECHNICAL SPECIFICATION

PSM 550 Pressure Switch



No	Part
1	Switch point setting
2	4 mounting screws for plastic cover
3	Electrical connection
4	Switch point setting display
5	Range of adjustable switch differential
6	Removable plastic cover
7	Process connection

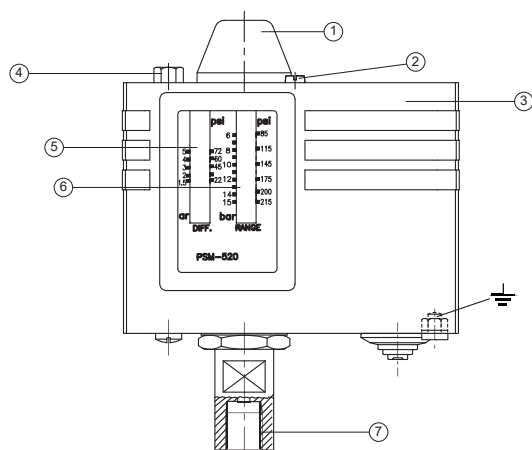
Dimensions in mm [in]



Unit	Setting Range ¹⁾	Permissible Switch Point On Rising Pressure	Permissible Switch Point On Falling Pressure	Adjustable Switch Differential ²⁾	Max. Working Pressure Depending On Measuring Element		
					Bellow, Copper Alloy	Bellow, Stainless Steel	Diaphragm, Nbr
mbar	0...300	30...300	0...250	10...50	-	-	500
bar	0.1...1.1	0.17...1.1	0.1...0.94	0.07...0.16	7	7	-
	0.2...3	0.32...3	0.2...2.25	0.12...0.75	7	7	-
	0.2...6	0.45...6	0.2...4.8	0.25...1.2	15	25	-
	1...10	1.3...10	1...8.7	0.3...1.3	16	25	-
	2...17	2.3...17	2...15	0.3...2	-	25	-
	4...17	5.2...17	4...13	1.2...4	25	25	-
	10...30	11...30	10...26	1...4	45	45	-
	-1...0	-0.91...0	-1...-0.4	0.09...0.4	7	7	-
	-0.8...+5	-0.3...+5	-0.8...+3	0.5...2	15	25	-

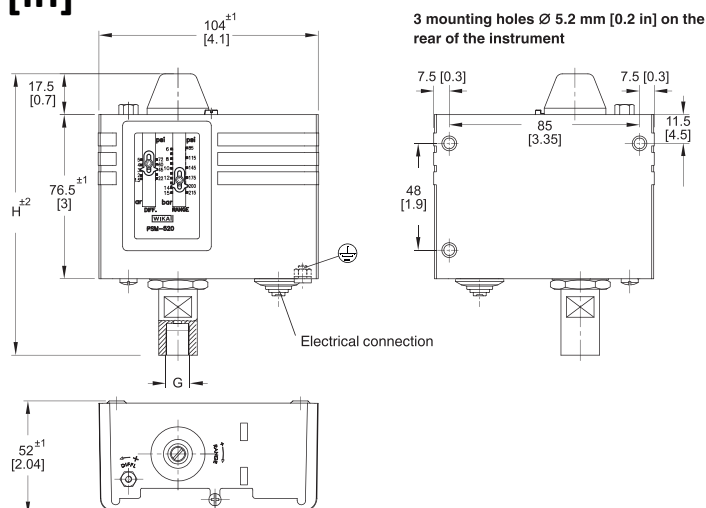
TECHNICAL SPECIFICATION

PSM 520 Pressure Switch



No	Part
1	Protection cap for switch point setting
2	Screw for fixing the plastic cover
3	Removable plastic cover
4	Switch differential adjustment
5	Switch differential setting display
6	Switch point setting display
7	Process connection

Dimensions in mm [in]



Unit	Setting range 1)	Permissible switch point on rising pressure	Adjustable switch differential 2)	Max. working pressure
bar	0...5	0.4...5	0.4...4	16
	0...7	0.6...7	0.6...6	16
	6...15	7.5...15	1.5...5	32
	6...30	9...30	3...8	42
	-0.4...+7	0.2...7	0.6...6	16
MPa	0...0.5	0.04...0.5	0.04...0.4	1.6
	0...0.7	0.06...0.7	0.06...0.6	1.6
	0.6...1.5	0.75...1.5	0.15...0.5	3.2
	0.6...3	0.9...3	0.3...0.8	4.2
	-0.04...+0.7	0.02...0.7	0.06...0.6	1.6
psi	0...70	6...70	6...55	230
	0...100	9...100	9...85	230
	85...215	107...215	22...72	450
	85...425	130...425	45...115	610
	-6...+100	3...100	9...85	230