



TD-106-1 Rev No. 5 Form No.		PRODUCT STANDARD SWITCHGEAR HYDERABAD		Product STD NO.	SG 80017																																				
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<p align="center"><u>PRESSURE SWITCH</u></p> <p>1. Introduction</p> <p>Pressure switches are used for regulating, monitoring and alarm systems purpose. This switches have automatic limit protection or manual reset limit protection for pressure systems. Can be used with steam, air, gaseous and liquid media. The pressure switches are fitted with single-pole changeover switch (SPDT). The position of the switch depends on the setting of the pressure switch and the pressure in the connector.</p> <p>2. Pressure switch technical data:</p> <table border="1"> <thead> <tr> <th></th> <th>Pressure switch Var 01</th> <th>Pressure switch Var 02</th> </tr> </thead> <tbody> <tr> <td>Ambient temperature</td> <td>(-)40 Degree to (+) 65 Degree centigrade</td> <td>(-)40 Degree to (+) 65 Degree centigrade</td> </tr> <tr> <td>Parts in contact with medium:</td> <td>stainless steel</td> <td>stainless steel</td> </tr> <tr> <td>Contac load</td> <td>SPDT,10A,240V AC</td> <td>SPDT,10A, 240V AC</td> </tr> <tr> <td>Pressure connection</td> <td>1/4" 18 NPT</td> <td>1/4" 18 NPT</td> </tr> <tr> <td>Service</td> <td>Compressed air/oxygen</td> <td>Oxygen</td> </tr> <tr> <td>Set pressure range</td> <td>0.2 to 7.5 barg</td> <td>-1 to 0 barg</td> </tr> <tr> <td>MW pressure</td> <td>245 PSIG</td> <td>245 PSIG</td> </tr> <tr> <td>Enclosure Rating</td> <td>IP30</td> <td>IP30</td> </tr> <tr> <td>Enclosure Rating NEMA</td> <td>1</td> <td>1</td> </tr> <tr> <td>Set pressure</td> <td>(6 kg/cm2g,4.5Kg/cm2g,2.7kg/cm2g)</td> <td>(-0.9) kg/cm2g</td> </tr> <tr> <td>Setting</td> <td colspan="2"> Cut-in and cut-out pressures of the system should always be checked with an accurate pressure gauge. Pressure setting for switches with automatic reset. Set the cut-out pressure on RANGE scale and differential on DIFF scale. Note: Restart pressure is equal to cut-out pressure minus differential value. </td> </tr> </tbody> </table> <p>3. Application: For Oxygen generation unit.</p>							Pressure switch Var 01	Pressure switch Var 02	Ambient temperature	(-)40 Degree to (+) 65 Degree centigrade	(-)40 Degree to (+) 65 Degree centigrade	Parts in contact with medium:	stainless steel	stainless steel	Contac load	SPDT,10A,240V AC	SPDT,10A, 240V AC	Pressure connection	1/4" 18 NPT	1/4" 18 NPT	Service	Compressed air/oxygen	Oxygen	Set pressure range	0.2 to 7.5 barg	-1 to 0 barg	MW pressure	245 PSIG	245 PSIG	Enclosure Rating	IP30	IP30	Enclosure Rating NEMA	1	1	Set pressure	(6 kg/cm2g,4.5Kg/cm2g,2.7kg/cm2g)	(-0.9) kg/cm2g	Setting	Cut-in and cut-out pressures of the system should always be checked with an accurate pressure gauge. Pressure setting for switches with automatic reset. Set the cut-out pressure on RANGE scale and differential on DIFF scale. Note: Restart pressure is equal to cut-out pressure minus differential value.	
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<div style="display: flex;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: small; padding: 5px;"> COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company. </div> <div style="flex-grow: 1; padding: 10px;"> <p>4. Quality assurance Inspection and Testing Requirement:</p> <ul style="list-style-type: none"> i) QP to be furnished by manufacturer as per their standard practices (Optional). ii) Test report / certificates to be furnished by the manufacturer. iii) COC to be furnished by the manufacturer (for catalogue items) <p>5. Conservation and Packing:</p> <p>Conservation and packing shall be as per manufacturer standard practices.</p> <p>6. Warranty:</p> <p>The equipment is provided with warranty against faulty / defective material / workmanship/ manufacturing defects for 18 months from the date of dispatch or 12 months from the date of commissioning whichever is earlier.</p> <p>7. Documents Required:</p> <p>Following documents and drawings shall be furnished by manufacturer:</p> <ul style="list-style-type: none"> • Make and Model and Schematic Arrangement drawing • GA drawings including weight and dimensions. • Technical Datasheet • Bill of Materials • O&M manual containing QAP, datasheet, test certificates, catalogue, List of spares, etc. <p>8. VARIANT TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">VAR. NO.</th> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 30%;">MATERIAL CODE</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>PRESSURE SWITCH 0.2 TO 7.5 Kg/cm²</td> <td>SG9780017011</td> </tr> <tr> <td>02</td> <td>PRESSURE SWITCH 0 TO -1 Kg/cm²</td> <td>SG9780017020</td> </tr> </tbody> </table> </div> </div>						VAR. NO.	DESCRIPTION	MATERIAL CODE	01	PRESSURE SWITCH 0.2 TO 7.5 Kg/cm ²	SG9780017011	02	PRESSURE SWITCH 0 TO -1 Kg/cm ²	SG9780017020
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Product STD no.	Concentration mg/ml	Peak Area	Peak Height	Retention Time (min)
1	100	1000000	1000000	10.000
2	100	1000000	1000000	10.000
3	100	1000000	1000000	10.000
4	100	1000000	1000000	10.000
5	100	1000000	1000000	10.000
6	100	1000000	1000000	10.000
7	100	1000000	1000000	10.000
8	100	1000000	1000000	10.000
9	100	1000000	1000000	10.000
10	100	1000000	1000000	10.000
11	100	1000000	1000000	10.000
12	100	1000000	1000000	10.000
13	100	1000000	1000000	10.000
14	100	1000000	1000000	10.000
15	100	1000000	1000000	10.000
16	100	1000000	1000000	10.000
17	100	1000000	1000000	10.000
18	100	1000000	1000000	10.000
19	100	1000000	1000000	10.000
20	100	1000000	1000000	10.000
21	100	1000000	1000000	10.000
22	100	1000000	1000000	10.000
23	100	1000000	1000000	10.000
24	100	1000000	1000000	10.000
25	100	1000000	1000000	10.000
26	100	1000000	1000000	10.000
27	100	1000000	1000000	10.000
28	100	1000000	1000000	10.000
29	100	1000000	1000000	10.000
30	100	1000000	1000000	10.000
31	100	1000000	1000000	10.000
32	100	1000000	1000000	10.000
33	100	1000000	1000000	10.000
34	100	1000000	1000000	10.000
35	100	1000000	1000000	10.000
36	100	1000000	1000000	10.000
37	100	1000000	1000000	10.000
38	100	1000000	1000000	10.000
39	100	1000000	1000000	10.000
40	100	1000000	1000000	10.000
41	100	1000000	1000000	10.000
42	100	1000000	1000000	10.000
43	100	1000000	1000000	10.000
44	100	1000000	1000000	10.000
45	100	1000000	1000000	10.000
46	100	1000000	1000000	10.000
47	100	1000000	1000000	10.000
48	100	1000000	1000000	10.000
49	100	1000000	1000000	10.000
50	100	1000000	1000000	10.000
51	100	1000000	1000000	10.000
52	100	1000000	1000000	10.000
53	100	1000000	1000000	10.000
54	100	1000000	1000000	10.000
55	100	1000000	1000000	10.000
56	100	1000000	1000000	10.000
57	100	1000000	1000000	10.000
58	100	1000000	1000000	10.000
59	100	1000000	1000000	10.000
60	100	1000000	1000000	10.000
61	100	1000000	1000000	10.000
62	100	1000000	1000000	10.000
63	100	1000000	1000000	10.000
64	100	1000000	1000000	10.000
65	100	1000000	1000000	10.000

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RECORD OF REVISIONS

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