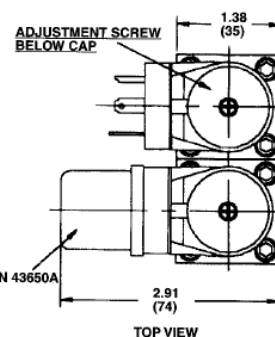
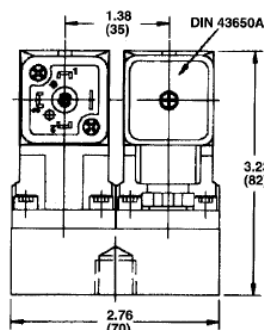
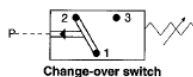


## PDMM Dual Set Point Manifold Mount Pressure Switch DATA SHEET



### Model PDMM Dual Set Point Manifold Mount Pressure Switch

- DIN 43650A Termination
- NEMA 6 Enclosure (IP67)
- Housing Material, Aluminium AL2024 Anodised Black

The PDMM model is a dual set point, inline, compact pressure switch that is available with a range of set points from 0.35 Bar (5 psi) to 420 Bar (6000 psi) rising pressure dependant upon the combination of spring rate to actuator area. The "cushion" supported diaphragm, used on all switches where system pressures exceed 35 Bar (500m psi) is a proven concept which prevents any extrusion of the elastomer diaphragm even at pressures of up to 545 Bar (8000 psi).

Optional diaphragm materials include Nitrile (standard), Viton and EPDM

The standard electrical circuit used is a three wire, 5 amp, snap action microswitch. The temperature range is -40°F to +180°F (250°F Viton)

Repeatability is  $\pm 2\%$ .

### Technical Specifications

Electrical	5 AMP - 12/24 VDC - 125/250 VAC
Protection	DIN 43650A - IP65 Terminals - IP00
Temperature range	-40°F to +180°F (-40°C to 80°C)
Mechanical life	1 x 10 <sup>6</sup> at 1000 psi (70 Bar)
Diaphragm material	Nitrile (Optional EPDM and VITON)
Housing material	Aluminium AL2024 Anodized Black
Maximum overpressure	600 Bar
Repeatability	$\pm 2\%$ of Full Set Point Range at 70°F (20°C) Ambient Temperature

### Adjustment Ranges

Model	Adjustment Ranges Bar	Average Differential Bar
1	0.35/1.7	0.15/0.3
2	1/5	0.35/0.7
2A	3.5/10	0.7/1.4
3	10/45	2.7/4
4A	35/120	8/14
4	70/240	19/30
5	170/420	36/50



## Flow Measurement and Control Devices

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### PDMM Dual Set Point Manifold Mount Pressure Switches - Catalogue Number Information

The product information in this form is designed to comply with the Baccara Catalogue Standard Item Ordering Code format. If you are unsure of any aspect, please contact the Baccara office by telephone, fax or email.

### Product Specifications

Range 1 Adjustment	Range 2 Adjustment	Medium Connection	Circuit	Electrical	Diaphragm	Electrical Contacts	Visual Light

Range 1 Adjustment	1	0.35 - 1.7 Bar
	2	1 - 5 Bar
	2A	3.5 - 10 Bar
	3	10 - 45 Bar
	4A	35 - 120 Bar
	4	70 - 240 Bar
	5	170 - 420 Bar
Range 2 Adjustment	1	0.35 - 1.7 Bar
	2	1 - 5 Bar
	2A	3.5 - 10 Bar
	3	10 - 45 Bar
	4A	35 - 120 Bar
	4	70 - 240 Bar
	5	170 - 420 Bar
Medium Connection	4B	¼ BSP Female
	4F	¼ NPT Female
Circuit	C	SPDT (Standard)
Electrical	H	DIN 43650A Male Half only
	HC	DIN 43650A Cable
	HF	DIN 43650A ½" Conduit (Female)
Diaphragm		Nitrile (Standard)
	1	VITON Diaphragm
	2	EPDM Diaphragm
Electrical Contacts		Standard Contacts
	7	Gold Electrical Contacts
Visual Light		No Light (Standard)
	11A	DIN Light NO/NC 110 VAC
	11B	DIN Light NO/NC 12 VDC
	11C	DIN Light NO/NC 24 VDC