

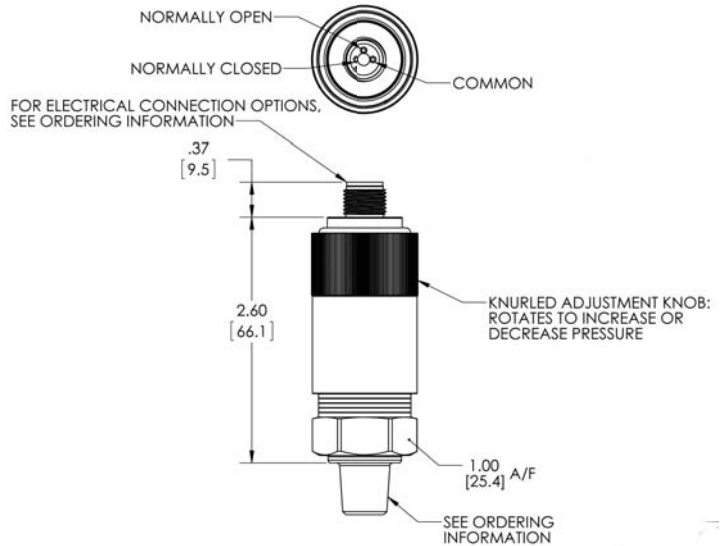


Sensors Inc.®

# BMA/BMF Pressure Switch Hand Adjustable



Model	Adjustment Range		Avg. Differential	
	PSI	Bar	PSI	Bar
1	10 - 435	0.7 - 30	Less than 10% of Actuation Point	
2	250 - 5500	17 - 379		
3	5000 - 7500	345 - 517		



**ELECTRICAL:**

Standard: 10A, 125/250VAC - U.L. Recognized  
 10A, 12/24VDC - U.L. Recognized  
 Option -7: 0.1A, 125/250VAC, 30 VDC - U.L. Recognized  
 -8: 16 amp, 125/250 AC U.L. Recognized  
 Gold contacts may be required for less than 12 VDC and 20 milliamps

**WETTED MATERIAL:**

Diaphragm: Buna-N (Standard)  
 (optional: EPDM, VITON®, Low Temp Nitrile)  
 Housing: Brass (standard)  
 (optional: 316 Stainless Steel)

**PROTECTION:**

Exposed Terminals – IP00  
 DIN HC - IP65  
 Flying Leads, M12, & Deutsch Integral - IP69

**REPEATABILITY:**

± 2% of full set point range at 70°F (21°C) Ambient Temperature

**SWITCH TYPE:**

Snap Action

**MECHANICAL LIFE:**

**TEMPERATURE RANGE:**

Buna - N: -15° to +230°F (-26° to 110°C)  
 EPDM: -10° to +250°F (-23° to 121°C)  
 VITON®: 0° to +250°F (-18° to 121°C)  
 (® Registered Trademark of DuPont)  
 Low Temp Nitrile: -40° to 230°F (-40° to 110°C)

**MAXIMUM OVERPRESSURE:**

25,000 PSI (1725 Bar)

**WEIGHT:**

0.4 lbs (0.16 kg)

Please note: Factory Set Switches (Model BMF) are permanently set and are non-adjustable.

**ORDERING INFORMATION**

BMA	- * 2	- * R	- 4M	- C	- H	- * 1
Model	Set Point	Direction	Port Size	Circuit	Terminal	Options
BMA - Field Adjustable	See Above Adjustment Ranges	R - Rising F - Falling BR - Bar Rising BF - Bar Falling	2M - 1/8 NPT 4M - 1/4 NPT 2G - 1/8 BSPP 4F - 1/4" NPT Female 4G - 1/4 BSPP (undercut for an o-ring seal) 4GS - 1/4 BSPP (no undercut) 4S - 7/16X20 SAE MALE 4SW - 7/16X20 SAE Swivel 6S - 9/16X18 SAE MALE M10 - M10X1 * M12 - M12X1.5 *	A - SPST / NO B - SPST / NC C - SPDT	SP - 1/4" x 1/32" Spade TS - 6-32 Terminal Screws FL - 18" Flying Leads FLWTF - Weatherpack Tower Female FLWTM - Weatherpack Tower Male FLWSF - Weatherpack Shroud Female FLWSM - Weatherpack Shroud Male H - DIN 43650A Male Half Only HC - DIN 43650A Cable Clamp HN - DIN 43650A 1/2 Conduit (female) HCC - XXX (Specify Length in Inches) HC11A - DIN Light NO/NC 110V HC11B - DIN Light NO/NC 12VDC HC11C - DIN Light NO/NC 24VDC HC11D - Indicating Light Green/Red DI - Deutsch Integral (2 pin only) M12 - M12 X 1 * (up to 5 rating)	* - Omit If Standard 1 - VITON® Diaphragm 2 - EPDM Diaphragm 15 - Low Temp Nitrile Diaphragm 4 - 316 SS Housing 5 - Spiral Restrictor 6 - Oxygen Cleaned 7 - Gold Contacts 8 - 16 Amp
BMF - Factory Set	Model BMF Specify Set Point Required	*Omit For Model BMA	* Consult Factory for Specials.			