ANFIELD SENSORS INC.

www.andieldsensors.com
Tel: (905) 303-8700
sales@anfieldsensors.com

INSTALLATION INSTRUCTIONS
PRESSURE SWITCHES
SMA / SMF SERIES

Please check the model designation of the pressure switch to ensure it is being used within its design range.   The switch should be wired in accordance with the tables and schematic below.   Follow all applicable electrical requirement per the local electrical authority in your area.
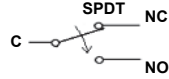
Wire/Connector Termination

Contact	Spades SP	Flying Leads FL	DIN H, HR, HC, HCR, HN, HNR	Weather Pack FLWF, FLWM	Deutsch FLDP, FLDR
Common	C (see Fig 2)	Black	Pin 1	A	Pin A/ Pin 1
Normally Closed	NC (see Fig 2)	Blue	Pin 2	C	Pin C/ Pin 2
Normally Open	NO (see Fig 2)	Red	Pin 3	B	Pin B/ Pin 2

Electrical Ratings (*UL surrounding air temperature rating is 131'F)

Model	Standard Rating	UL rating *
Standard 5 amp Micro switch	12-24VDC: 5A (0) 125VAC: 5A (0) 250VAC: 3A (0)	125VAC: 5A
Optional 10 amp Micro switch	12-24VDC: 10A (2) 125VAC: 10A (2) 250VAC: 6A (2)	125VAC: 10A 250VAC: 6A
Optional Gold Micro switch	12VDC: 20mA	NA

Fig 1. Circuit Diagram

SPDT

C — NC

— NO

OPERATING SPECIFICATIONS & CHARACTERISTICS

MODEL	ADJUSTMENT RANGE (psi)	AVERAGE DIFFERENTIAL	PROOF PRESSURE (psi)	ADJUSTMENT (psi per turn)
SMA - 1	30 - 500	7-30% of setting	9000	200
SMA - 1A	300 - 2500	7-30% of setting	9000	600
SMA - 2	2300 - 6000	7-30% of setting	9000	1300
SMA - 3	10 - 35	7-30% of setting	9000	5
SMA - 4	30– 120	7-30% of setting	9000	20
SMA - 5	75 - 300	7-30% of setting	9000	50
SMA - 6	300 - 1200	7-30% of setting	9000	220
SMA - 7	1000 - 3000	7-30% of setting	9000	600
SMA - 8	2000 - 5000	7-30% of setting	9000	1300

Fig 2. Spades

NC   NO   C

Fig 3. Setting

5/64"
2mm

ADJUSTING THE SET POINT: *(Default setting is the lowest setting within range)*

Step 1:   Insert a 5/64" or 2mm allen key into the adjustment screw opening. (Fig 3)
Step 2:   Turn the screw clockwise to increase the set point or counter clockwise to decrease.
Step 3:   The adjustment screw may be potted with silicone to prevent moisture ingress through the adjustment screw.

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