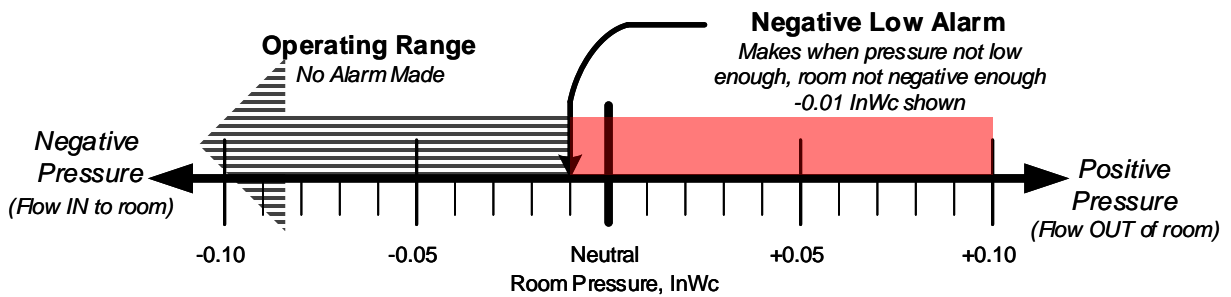


### High and Low Alarms Set



### Low Alarm Only

#### Door Opening Force Calculations

Units                    1.0 InWc = 0.0360912    Lbs Force / Square Inch  
                                   x 144 = 5.315328        Lbs Force / Square Foot

Typical Door:        3' x 8' size = 24 Square Feet


ADA Max              5 Lbs Force

Pressure Setpoint   0.01 InWc (2016 CMC Paragraph 416.1.2)

#### Door Force at various room pressures

Formula                InWc x (1.0 InWc Lb/SqFt) x SqFt = Force.  
 Add hardware friction.

<b>Pressure</b>	<b>Force</b>
0.005 InWc	0.637 Lbs
0.010 InWc	1.275 Lbs <i>Isolation room setpoint</i>
<b>0.040 InWc</b>	<b>5.103 Lbs Exceeds ADA Maximum</b>
0.050 InWc	6.378 Lbs
0.100 InWc	12.75 Lbs
0.200 InWc	25.51 Lbs

<b>Bayside HVAC Products LLC</b> 415-333-5099 dan@baysidehvac.com					<b>Isolation Room Alarms Illustrated</b>	
DATE	SCALE	REV	BY	FILENAME		
5/10/2018	NTS	2	DS	ISOLATION ROOM ALAMS ILLUSTRATED 5-18.VSDX		