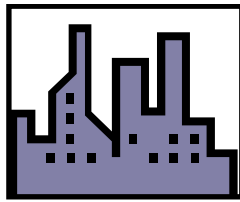


## Typical Maximum Deadbands for UE Pressure Controls with Optional Switches



CODE	Description
0140	1 amp 125 VAC resistive; SPDT, gold contacts: low energy circuits
0500	5 amp 125/250 VAC resistive, SPDT, close deadband
1010	10 amp 125/250 VAC resistive, DPDT, deadband and minimum. set point will increase
1070	10 amp 125 VDC resistive, SPDT; deadband and minimum set point will increase
1180	11 amp 125/250 VAC resistive; SPDT, hermetically sealed; deadband and minimum set point will increase
1190	11 amp 125/250 VAC resistive, DPDT, hermetically sealed; products set on <i>rising</i> pressure or temperature due to inherent separation of circuits on <i>falling</i> pressure or temperature; deadband and minimum set point will increase
1195	11 amp 125/250 VAC resistive, DPDT, hermetically sealed; products set on <i>falling</i> pressure or temperature due to inherent separation of circuits on <i>rising</i> pressure or temperature; deadband and minimum set point will increase
1535	15 amp 125/250/480 VAC resistive; high ambient; temperatures up to 250°F/121°C
1537	15 amp 125/250 VAC resistive; Vapor sealed switch
1539	15 amp 125/250 VAC resistive; fungus resistant case
2000	20 amp 125/250 VAC resistive
3000	30 amp 125/250 VAC resistive



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### J120 and H100 Series Typical Max. Deadband

(H117 Series values for 1180, 1190 & 1195)

<u>Models</u>	<u>Standard Switch</u>	<u>Units</u>	<u>Options 0140, 1535 &amp; 1539</u>	<u>Option 0500</u>	<u>Option 1010</u>	<u>Option 1070</u>	<u>Option 1180</u>	<u>Option 1190 &amp; 1195</u>	<u>Option 1537 &amp; 2000</u>	<u>Option 3000</u>
171	0.8	psi	0.8	0.6	N/A	N/A	2.3	3.8	1.5	N/A
172	1.1	psi	1.1	0.9	N/A	N/A	3.8	5.3	2.3	N/A
173	1.9	psi	1.9	1.7	N/A	N/A	7.5	9.0	3.8	N/A
174	2.6	psi	2.6	2.3	N/A	N/A	11.3	13.5	6.0	N/A
183/483	1.9	psi	1.9	1.6	N/A	N/A	5.6	6.8	3.8	N/A
184/484	2.3	psi	2.3	1.9	N/A	N/A	7.5	9.0	4.5	N/A
185/485	4.5	psi	3.0	2.6	N/A	N/A	12.0	15.0	6.0	N/A
186/486	8.3	psi	3.8	3.2	N/A	N/A	16.1	18.8	7.5	N/A
188/488	93.8	psi	93.8	75.0	N/A	N/A	225.0	262.5	150.0	N/A
189/489	225.0	psi	225.0	187.5	N/A	N/A	375.0	412.5	300.0	N/A
126/S126B	0.5	"Hg	0.5	0.3	4.1	3.0	2.6	3.4	1.9	4.1
134/S134B	0.5	"Hg	0.5	0.3	6.0	3.8	3.4	4.1	2.3	6.0
137/S137B	4.5	"wc	4.5	3.0	18.8	15.0	13.5	16.5	12.0	18.8
144/S144B	0.2	psi	0.2	0.2	1.9	1.5	1.5	2.3	1.1	1.9
152/S152B	0.4	psi	0.4	0.2	3.0	2.3	1.9	2.6	1.5	3.0
156/S156B	0.5	psi	0.5	0.3	4.5	3.0	2.6	3.4	2.3	4.5
164/S164B	0.8	psi	0.8	0.5	7.5	4.5	4.1	5.3	3.8	7.5
190/490	4.5	psi	4.5	3.8	N/A	N/A	7.5	9.8	7.5	N/A
191/491	11.3	psi	11.3	9.0	N/A	N/A	33.8	41.3	33.8	N/A
192/492	18.8	psi	18.8	16.5	N/A	N/A	45.0	52.5	45.0	N/A
193/493	33.8	psi	33.8	27.8	N/A	N/A	56.3	67.5	56.3	N/A
194/494	112.5	psi	112.5	90.0	N/A	N/A	150.0	168.8	150.0	N/A
356	1.4	psi	1.4	1.1	13.5	9.0	8.3	12.8	7.5	13.5
358	2.3	psi	2.3	1.9	18.8	11.3	15.0	15.8	9.0	18.8
361	3.0	psi	3.0	2.3	22.5	15.0	16.5	18.8	11.3	22.5
376	3.8	psi	3.8	2.6	28.5	18.8	21.0	24.0	15.0	28.5
218	1.5	"Hg	1.5	0.9	7.5	5.3	6.0	11.3	4.5	7.5
270	3.0	psi	3.0	2.3	15.0	11.3	13.5	13.5	9.0	15.0
274	3.8	psi	3.8	2.6	18.8	15.0	16.5	18.0	11.3	18.8
610	112.5	psi	112.5	93.8	300.0	225.0	225.0	262.5	187.5	300.0
612	187.5	psi	187.5	168.8	412.5	337.5	337.5	375.0	300.0	412.5
616	281.3	psi	281.3	243.8	525.0	412.5	412.5	450.0	375.0	525.0
680	30.0	psi	30.0	22.5	150.0	112.5	93.8	120.0	75.0	150.0
701	1.5	psi	1.5	1.1	6.0	4.5	5.3	6.0	3.8	6.0
702	3.0	psi	3.0	2.3	11.3	9.0	9.0	11.3	7.5	11.3

## J120 and H100 Series Typical Max. Deadband

(H117 Series values for 1180, 1190 & 1195)

<u>Models</u>	<u>Standard Switch</u>	<u>Units</u>	<u>Options 0140, 1535 &amp; 1539</u>	<u>Option 0500</u>	<u>Option 1010</u>	<u>Option 1070</u>	<u>Option 1180</u>	<u>Option 1190 &amp; 1195</u>	<u>Option 1537 &amp; 2000</u>	<u>Option 3000</u>
704	6.0	psi	6.0	4.5	30.0	18.8	22.5	26.3	15.0	30.0
705	15.0	psi	15.0	11.3	63.8	45.0	60.0	67.5	37.5	63.8
706	22.5	psi	22.5	18.8	105.0	75.0	82.5	93.8	67.5	105.0
450	0.2	"Hg	0.2	0.2	1.1	0.9	1.0	1.1	0.8	1.1
451	1.5	"wc	1.5	1.1	5.6	4.9	5.3	5.6	4.5	5.6
452	0.3	"Hg	0.3	0.2	3.8	1.5	1.9	2.3	1.1	2.3
453	0.1	psi	0.1	0.1	0.6	0.5	0.5	0.6	0.4	0.6
454	0.1	psi	0.1	0.1	0.9	0.6	0.8	0.8	0.5	0.9
550	0.3	"Hg	0.3	0.2	3.8	2.6	3.0	3.8	2.3	3.8
551	3.0	"wc	3.0	2.3	9.8	8.3	9.0	9.8	8.3	9.8
552	0.4	"Hg	0.4	0.3	5.3	3.8	4.5	5.3	2.3	5.3
553	0.2	psi	0.2	0.1	0.9	0.6	0.8	0.9	0.5	0.9
554	0.2	psi	0.2	0.2	1.2	0.9	1.1	1.2	0.8	1.2
555	0.3	psi	0.3	0.2	3.0	2.3	2.6	3.0	1.5	3.0
520	6.0	"wc	6.0	N/A	N/A	N/A	24.0	36.0	N/A	N/A
521	0.5	"wc	0.5	N/A	N/A	N/A	1.8	2.7	N/A	N/A
522	2.3	"wc	2.3	N/A	N/A	N/A	9.0	13.5	N/A	N/A
523	0.2	"wc	0.2	N/A	N/A	N/A	0.9	N/A	N/A	N/A
524	0.6	"wc	0.6	N/A	N/A	N/A	2.4	3.6	N/A	N/A
525	4.5	"wc	4.5	N/A	N/A	N/A	18.0	27.0	N/A	N/A
530	11.3	"wc	11.3	N/A	N/A	N/A	45.0	67.5	N/A	N/A
531	0.5	"wc	0.5	N/A	N/A	N/A	1.8	2.7	N/A	N/A
532	2.3	"wc	2.3	N/A	N/A	N/A	9.0	13.5	N/A	N/A
533	0.2	"wc	0.2	N/A	N/A	N/A	0.9	N/A	N/A	N/A
534	0.6	"wc	0.6	N/A	N/A	N/A	2.4	3.6	N/A	N/A
535	7.5	"wc	7.5	N/A	N/A	N/A	30.0	45.0	N/A	N/A
560	0.8	psi	0.8	N/A	N/A	N/A	2.3	3.0	1.5	N/A
561	1.1	psi	1.1	N/A	N/A	N/A	3.4	4.5	2.3	N/A
562	1.9	psi	1.9	N/A	N/A	N/A	5.6	7.5	3.8	N/A
563	3.0	psi	3.0	N/A	N/A	N/A	9.0	12.0	6.0	N/A
564	3.8	psi	3.8	N/A	N/A	N/A	11.3	15.0	7.5	N/A
565	3.8	psi	3.8	N/A	N/A	N/A	11.3	15.0	7.5	N/A
566	9.0	psi	9.0	N/A	N/A	N/A	27.0	36.0	18.0	N/A
567	16.5	psi	16.5	N/A	N/A	N/A	49.5	66.0	33.0	N/A
<b>Differential pressure models</b>										
147/S147B	1.1	psi	1.1	0.9	3.8	3.0	2.3	3.0	2.3	3.8
157/S157B	1.5	psi	1.5	1.3	5.6	4.5	3.8	4.5	3.8	5.6
367	7.5	psi	7.5	5.6	N/A	18.8	17.3	22.5	15.0	22.5

## J120 and H100 Series Typical Max. Deadband

(H117 Series values for 1180, 1190 & 1195)

<u>Models</u>	<u>Standard Switch</u>	<u>Units</u>	<u>Options 0140, 1535 &amp; 1539</u>	<u>Option 0500</u>	<u>Option 1010</u>	<u>Option 1070</u>	<u>Option 1180</u>	<u>Option 1190 &amp; 1195</u>	<u>Option 1537 &amp; 2000</u>	<u>Option 3000</u>
36	3.8	psi	3.8	3.0	N/A	N/A	6.8	9.0	N/A	N/A
37	6.0	psi	6.0	4.5	N/A	N/A	15.0	18.0	N/A	N/A
38	11.3	psi	11.3	8.3	N/A	N/A	30.0	40.5	N/A	N/A
39	15.0	psi	15.0	11.3	N/A	N/A	52.5	69.8	N/A	N/A
455	3.0	"wc	3.0	2.3	7.5	6.0	7.5	11.3	6.0	7.5
456	0.2	psi	0.2	0.1	0.9	0.8	0.8	1.1	0.6	0.9
457	0.2	psi	0.2	0.2	1.1	0.9	0.9	1.2	0.8	1.1
540	0.3	"wc	0.5	0.3	N/A	1.3	1.0	1.5	N/A	N/A
541	0.5	"wc	0.8	0.5	N/A	1.5	1.2	1.7	N/A	N/A
542	1.5	"wc	1.9	1.5	N/A	3.8	3.0	3.8	N/A	N/A
543	4.5	"wc	6.0	4.5	N/A	12.0	9.0	12.0	N/A	N/A
544	0.6	psi	1.0	0.6	N/A	1.9	1.5	1.9	N/A	N/A
545	1.2	psi	1.7	1.2	N/A	3.0	2.4	3.0	N/A	N/A
546	2.6	psi	3.8	2.6	N/A	7.5	5.3	7.5	N/A	N/A
547	5.3	psi	7.5	5.3	N/A	13.5	11.3	13.5	N/A	N/A
548	9.0	psi	11.3	9.0	N/A	16.5	15.0	16.5	N/A	N/A
559	0.6	psi	0.6	0.5	3.8	3.0	3.0	3.8	2.3	3.8

N/A = Not available

**-119 Series Typical Max. Deadbands**

<u>Models</u>	<u>H119 (SPDT)</u>	<u>Units</u>	<u>H119A (DPDT)</u>
171	1.5	psi	1.5
172	2.3	psi	2.3
173	3.8	psi	3.8
174	6.8	psi	6.8
183/483	3.8	psi	N/A
184/484	5.3	psi	N/A
185/485	9.0	psi	N/A
186/486	12.8	psi	N/A
188/488	225.0	psi	N/A
189/489	375.0	psi	N/A
190/490	5.3	psi	6.0
191/491	18.8	psi	22.5
192/492	26.3	psi	37.5
193/493	45.0	psi	67.5
194/494	150.0	psi	168.8
358	15.0	psi	N/A
361	16.5	psi	N/A
376	21.0	psi	N/A
610	150.0	psi	187.5
612	225.0	psi	262.5
616	300.0	psi	337.5
700	3.0	psi	N/A
702	4.5	psi	N/A
704	22.5	psi	N/A
706	60.0	psi	N/A
520	24.0	"we	36.0
521	1.8	"we	2.7
522	9.0	"we	13.5
523	0.9	"we	N/A
524	2.4	"we	3.6
525	18.0	"we	27.0
530	45.0	"we	67.5
531	1.8	"we	2.7
532	9.0	"we	13.5
533	0.9	"we	N/A
534	2.4	"we	3.6
535	30.0	"we	45.0
560	2.3	psi	3.0
561	3.4	psi	4.5
562	5.6	psi	7.5
563	9.0	psi	12.0
564	11.3	psi	15.0
565	11.3	psi	15.0
566	27.0	psi	36.0
567	49.5	psi	66.0

N/A = Not available

### 121 Series Typical Max. Deadbands

<b>Models</b> -	<b>Standard</b> <b>Switch</b>	<b>Units</b> -	<b>Options</b> <b>0140, 1535</b> <b>&amp; 1539</b>	<b>Option</b> <b>0500</b>	<b>Option</b> <b>1010</b>	<b>Option</b> <b>1070</b>	<b>Option</b> <b>2000</b> <b>&amp;</b> <b>1537</b>	<b>Option</b> <b>1180</b>	<b>Option</b> <b>1190 &amp;</b> <b>1195</b>
126/S126B	0.7	"Hg	0.7	0.5	3.8	2.6	1.9	3.0	3.8
134/S134B	0.9	"Hg	0.9	0.6	6.8	4.5	3.0	3.8	4.5
137/S137B	7.5	"wc	7.5	5.3	30.0	18.8	15.0	14.3	17.3
144/S144B	0.4	psi	0.4	0.3	2.3	1.5	1.1	1.9	2.6
146/S146B	0.5	psi	0.5	0.3	3.0	1.9	1.5	2.0	3.0
156/S156B	0.6	psi	0.6	0.4	7.5	4.9	3.8	4.1	5.3
164/S164B	1.5	psi	1.5	1.1	15.0	11.3	6.0	8.3	10.1
358	6.0	psi	6.0	4.5	30.0	22.5	15.0	19.5	20.3
361	6.8	psi	6.8	5.3	45.0	30.0	18.8	25.5	29.3
376	9.0	psi	9.0	6.0	71.3	45.0	26.3	41.3	47.3
270	6.0	psi	6.0	4.5	33.8	22.5	15.0	18.8	19.9
274	7.5	psi	7.5	5.3	48.8	33.8	20.3	27.8	30.4
612	187.5	psi	187.5	168.8	375.0	300.0	262.5	236.3	262.5
614	300.0	psi	300.0	262.5	675.0	525.0	450.0	345.0	375.0
701	2.3	psi	2.3	1.5	9.0	6.8	5.3	6.8	7.9
702	3.8	psi	3.8	3.0	18.8	15.0	9.8	15.0	18.8
703	5.3	psi	5.3	3.8	48.8	30.0	18.8	45.8	50.6
704	9.0	psi	9.0	6.8	75.0	52.5	30.0	69.8	81.8
705	18.8	psi	18.8	15.0	112.5	82.5	45.0	125.3	141.0
450	0.3	"Hg	0.3	0.2	2.3	1.5	1.1	1.5	1.9
452	0.8	"Hg	0.8	0.5	5.3	3.8	2.3	3.0	3.8
453	0.2	psi	0.2	0.1	1.5	1.1	0.6	1.0	1.1
454	0.2	psi	0.2	0.2	2.3	1.5	1.0	1.7	1.9
552	0.8	"Hg	0.8	0.5	7.5	5.3	3.0	5.3	6.0
553	0.2	psi	0.2	0.2	2.3	1.5	0.8	1.1	1.3
554	0.3	psi	0.3	0.2	3.0	1.9	1.1	1.7	1.9
555	0.6	psi	0.6	0.5	8.3	5.3	3.0	4.5	5.1
<b>Differential pressure models</b>									
147/S147B	1.5	psi	1.5	1.1	6.8	4.5	2.3	N/A	N/A
157/S157B	2.3	psi	2.3	1.5	9.0	6.0	3.8	N/A	N/A
456	0.2	psi	0.2	0.2	1.9	1.1	0.6	N/A	N/A
457	0.3	psi	0.3	0.3	3.0	1.9	1.0	N/A	N/A
559	0.8	psi	0.8	0.6	8.3	5.3	3.1	N/A	N/A
	0.8	psi	0.8	0.6	8.3	5.3	3.0	N/A	N/A
N/A = Not available									

## 122 Series Typical Max. Deadbands

Models	Standard Switch	Units	Options 0140, 1535 & 1539	Option 0500	Option 1070	Option 2000 & 1537
126/S126B	0.7	"Hg	1.0	0.7	3.9	1.9
134/S134B	0.9	"Hg	1.4	0.9	6.8	3.0
137/S137B	7.5	"Wc	11.3	6.0	28.1	16.5
144/S144B	0.4	psi	0.6	0.4	2.3	1.1
146/S146B	0.5	psi	0.7	0.5	2.8	1.5
156/S156B	0.6	psi	0.9	0.6	7.3	3.8
164/S164B	1.5	psi	2.3	1.5	16.9	6.0
358	6.0	psi	9.0	6.0	33.8	15.0
361	6.8	psi	10.1	6.8	45.0	18.8
376	9.0	psi	13.5	9.0	67.5	26.3
270	6.0	psi	9.0	6.0	33.8	15.0
274	7.5	psi	11.3	7.5	50.6	20.3
612	187.5	psi	281.3	187.5	450.0	262.5
614	300.0	psi	450.0	300.0	787.5	450.0
702	3.8	psi	5.6	3.8	22.5	9.8
703	5.3	psi	7.9	5.3	45.0	18.8
704	9.0	psi	13.5	9.0	78.8	30.0
705	18.8	psi	28.1	18.8	123.8	48.8
450	0.3	"Hg	0.5	0.3	2.3	1.1
452	0.8	"Hg	1.1	0.8	5.6	2.3
453	0.2	psi	0.2	0.2	1.7	0.6
454	0.2	psi	0.3	0.2	2.3	1.0
552	0.8	"Hg	1.1	0.8	7.9	3.0
553	0.2	psi	0.3	0.2	2.3	0.8
554	0.3	psi	0.5	0.3	2.8	1.1
555	0.6	psi	0.8	0.6	7.9	3.0
<b>Differential pressure models</b>						
147/S147B	1.5	psi	1.9	1.5	6.8	2.6
157/S157B	2.3	psi	2.3	2.3	9.0	4.1
456	0.2	psi	0.4	0.2	1.7	0.6
457	0.3	psi	0.5	0.3	2.8	1.0
559	0.8	psi	1.1	0.8	7.9	3.0

N/A = Not available

### 400 Series Typical Max. Deadbands

Models	Standard Switch *	Units	Options 0140, 1535 & 1539	Option 0500	Option 1010	Option 1070	Option 1537 & 2000
126/S126B	0.68	"Hg	0.68	0.45	3.75	2.63	1.88
134/S134B	0.90	"Hg	0.90	0.60	6.75	4.50	3.00
137/S137B	4.50	"wc	4.50	3.00	22.50	18.75	15.00
144/S144B	0.38	psi	0.38	0.26	2.25	1.50	1.13
146/S146B	0.45	psi	0.45	0.30	3.00	1.88	1.50
156/S156B	0.60	psi	0.60	0.38	7.50	4.88	3.75
164/S164B	1.50	psi	1.50	1.05	15.00	11.25	6.00
358	6.00	psi	6.00	4.50	30.00	22.50	15.00
361	6.75	psi	6.75	5.25	45.00	30.00	18.75
376	9.00	psi	9.00	6.00	71.25	45.00	26.25
270	6.00	psi	6.00	4.50	33.75	22.50	15.00
274	7.50	psi	7.50	5.25	48.75	33.75	20.25
610	112.50	psi	112.50	93.75	281.25	225.00	187.50
612	187.50	psi	187.50	168.75	375.00	300.00	262.50
614	300.00	psi	300.00	262.50	675.00	525.00	450.00
440	0.19	"wc	N/A	N/A	N/A	N/A	N/A
441	0.23	"wc	N/A	N/A	N/A	N/A	N/A
442	0.38	"wc	N/A	N/A	N/A	N/A	N/A
443	1.35	"wc	N/A	N/A	N/A	N/A	N/A
448	2.25	"wc	2.25	1.50	18.75	15.00	7.50
449	1.50	"wc	1.50	1.13	11.25	8.25	4.50
450	0.30	"Hg	0.30	0.23	2.25	1.50	1.13
451	2.25	"wc	2.25	1.50	18.75	15.00	7.50
452	0.75	"Hg	0.75	0.53	5.25	3.75	2.25
453	0.15	psi	0.15	0.11	1.50	1.13	0.60
454	0.23	psi	0.23	0.15	2.25	1.50	0.98
550	0.45	"Hg	0.45	0.30	3.00	2.25	1.50
551	2.63	"wc	2.63	1.88	10.50	8.25	7.50
552	0.75	"Hg	0.75	0.53	7.50	5.25	3.00
553	0.23	psi	0.23	0.15	2.25	1.50	0.75
554	0.30	psi	0.30	0.23	3.00	1.88	1.13
555	0.56	psi	0.56	0.45	8.25	5.25	3.00
520	9.00	"wc	9.00	7.20	N/A	N/A	N/A
521	0.75	"wc	0.75	0.60	N/A	N/A	N/A
522	3.75	"wc	3.75	3.00	N/A	N/A	N/A
523	0.23	"wc	0.23	0.18	N/A	N/A	N/A
524	1.50	"wc	1.50	1.20	N/A	N/A	N/A
525	7.50	"wc	7.50	6.00	N/A	N/A	N/A
530	11.25	"wc	11.25	9.00	N/A	N/A	N/A
531	0.75	"wc	0.75	0.60	N/A	N/A	N/A
532	4.50	"wc	4.50	3.60	N/A	N/A	N/A
533	0.23	"wc	0.23	0.18	N/A	N/A	N/A

\* All deadbands (except for 520 – 535) are for single switch units. Double the deadband for two or three switch types.

### 400 Series Typical Max. Deadbands

Models	Standard Switch *	Units	Options 0140, 1535 & 1539	Option 0500	Option 1010	Option 1070	Option 1537 & 2000
534	1.88	"wc	1.88	1.50	N/A	N/A	N/A
535	7.50	"wc	7.50	6.00	N/A	N/A	N/A
570	3.00	psi	3.00	2.10	N/A	N/A	N/A
571	4.50	psi	4.50	3.15	N/A	N/A	N/A
572	5.25	psi	5.25	3.75	N/A	N/A	N/A
<b>Differential pressure models</b>							
147/S147B	1.50	psi	1.50	1.13	6.75	4.50	2.25
157/S157B	2.25	psi	2.25	1.50	9.00	6.00	3.75
455	3.00	"wc	3.00	2.25	12.00	9.00	8.25
456	0.15	psi	0.15	0.11	1.88	1.13	0.60
457	0.23	psi	0.23	0.15	3.00	1.88	0.98
559	0.60	psi	0.60	0.45	8.25	5.25	3.00

**N/A = Not available**

\* All deadbands (except for 520 – 535) are for single switch units. Double the deadband for two or three switch types.