

# Pressure Limits and Controls Commercial/Industrial Combustion Controls










**Mercury-Free  
Control Solutions**

**Honeywell**

# Make The Mercury-Free Switch!

Obtain reliable pressure control, modulation and safety with Honeywell's extensive line of mercury-free pressure controls and limits.

Product		Usage	Service	Operation	Reset Type	P R
L91A		Modulating pressure control (motor or valve)	Steam, Air, Noncombustible gases, Noncorrosive liquids	(1) Pressure proportioning, 135 ohm (Series 90 Mod Motor or V9055)	Not Applicable	
L91B				(2) Pressure proportioning, 135 ohm (Series 90 Mod Motor or V9055)		
L91D						
L404F		High-limit control or On/off control with Alarm contacts	Steam, Air, Noncombustible gases, Noncorrosive liquids	(1) SPDT Break/Make on rise or (1) SPST Break on rise <sup>a</sup>	Auto recycle	
L404V		Low-limit control or On/off control	Oil	(1) SPST Make on rise <sup>a</sup>		
L404T		High-limit control or On/off control		(1) SPST Break on rise <sup>a</sup>		
L4079A		High-limit control	Steam, Air, Noncombustible gases, Noncorrosive liquids	(2) SPST Break on rise	Manual reset	
L4079B			Oil	(1) SPST Break on rise		
L4079W						
P7810C		High-limit control +	Steam, Air, Noncombustible gases, Noncorrosive liquids	(2) SPST Break on rise + (1) Alarm contacts +	Manual reset	
		On/off control +			Auto recycle	
		Modulating pressure control (motor or valve)		(1) Pressure proportioning, 4-20 mA	Not Applicable	
L408J		High-limit control or On/off control with Alarm contacts	Vapor Heating or Liquid, Air, Noncombustible gases, Ammonia, Oxygen, Distilled water	(1) SPDT Break/Make on rise	Auto recycle	0-
L408J		Low-limit control or On/off control	(1) SPST Make on rise <sup>a</sup>			
C6097A		Gas pressure switch; Safety limit with Alarm contacts	Natural gas, LP gas, Nitrogen, Air	(1) SPDT Break/Make on fall	Manual reset or Auto recycle	
C6097B				(1) SPDT Break/Make on rise		
C437D		Industrial gas pressure switch; Safety limit	Natural gas, LP gas, Nitrogen, Air	(1) SPST Break on rise	Manual reset	
C437E				(1) SPST Break on fall		

**Notes:**

<sup>a</sup>Some L404F, L404V and L408J SPST make on rise models have terminal B omitted for ANSI/CSA miswiring compliance

<sup>b</sup>Some L404F and L91 models have 1/4" - 19 BSPT mounting, ground screw and metric scale for the European market

Pressure Ranges, psi	Pressure Ranges, inches wc	Differential	Approvals	Pipe	Ambient Temperature	Enclosure Type	Contact Ratings
0-15, 5-150, 10-300		Non-adjustable	Not Applicable	1/4" – 18 NPT <sup>b</sup>	32° to 150° F	NEMA 1	24Vdc / 24Vac Control Circuit
		Adjustable throttle					
0-8, 2-15, 5-50, 10-150, 20-300		Adjustable subtractive differential	CSA, UL	1/4" – 18 NPT <sup>b</sup>	Maximum 150° F	NEMA 1	120Vac: 8FLA, 48LRA 240Vac: 5FLA, 30LRA
5-50, 10-150							
2-15, 10-150		Not Applicable	CSA, UL	1/4" – 18 NPT	Maximum 150° F	NEMA 1	120Vac: 9FLA, 58LRA 240Vac: 5FLA, 29LRA
2-15, 5-50, 10-150, 20-300							
10-150							
0-15, 0-150, 0-300		Non-adjustable	CSA, UL, FM, CSD-1, FCC	1/2" – 14 NPT	32° to 140° F	NEMA 1	120Vac, 50/60 Hz 9.8FLA, 58.8LRA
		Adjustable subtractive					
		Adjustable throttle					
16 oz/in <sup>2</sup> , 0-4 psi		Adjustable subtractive differential	CSA, UL	1/4" – 18 NPT	-35° to 150° F	NEMA 1	120Vac: 8FLA, 48LRA 240Vac: 5FLA, 30LRA
1.5-7	0.4-5, 3-21, 12-60	Fixed additive or subtractive differential	CSA, UL, FM, CSD-1, IRI	Flange or 1/4" – 18 NPT	-40° to 140° F	IP54	120Vac: 3FLA, 18LRA 240Vac: 3FLA, 18LRA
	3-21, 12-60						
0.5-5, 1-10	1-26	Fixed subtractive	CSA, UL, FM	1/2" – 14, 1/8" – 27 NPT	32° to 125° F	NEMA 1	120Vac: 8FLA, 48LRA 240Vac: 5FLA, 30LRA
	0.5-5.5, 1-26	Fixed additive					

## The Honeywell Solution

Get the Honeywell advantage by utilizing the full complement of mercury-free controls for a complete and reliable pressure control solution.

Further Information	Product Data	Specification Data	Technical Brochure	Sell Sheet
L91A, B, D Proportioning PressureTrol® Controls	60-2152	65-0059	63-9727	
L404F, V, T PressureTrol® Controls	71-2429	63-9342 <sup>a</sup>	63-9727	
L4079A, B, W PressureTrol® Limit Controls	60-2156		63-9727	
P7810C PressureTrol® Control	65-0285		63-9727	
L408J VaporStat® Controls	65-0287		63-9727	
C6097A, B Gas Pressure Switches	65-0237		63-9727	63-9340
C437D, E Industrial Gas Pressure Switches	68-0286		63-9727	
<b>Download from: <a href="http://customer.honeywell.com">http://customer.honeywell.com</a></b>				

<sup>a</sup>Product cross reference counter mat insert.

For available accessory information, please refer to the applicable Product Data sheet listed above or contact your Honeywell distributor.

### To Learn More

For more information please contact your Honeywell Distributor. Or visit <http://customer.honeywell.com>.

### Automation and Control Solutions

In the U.S.:

Honeywell

1985 Douglas Drive North

Golden Valley, MN 55422-3992

In Canada:

Honeywell Limited

35 Dynamic Drive

Toronto, Ontario M1V 4Z9

[www.honeywell.com](http://www.honeywell.com)



63-9727  
May 2007  
© 2007 Honeywell International Inc.