



PSC-W6S 0097793

# PSC Series Mini Pressure Control

The PSC Mini Pressure Control is a commercial grade control with a standard plug connectible design that simplifies installation and service. Typical applications include high pressure limit/alarm, condenser fan cycling, low pressure limit/alarm, low pressure cycling, defrost termination/fan delay, and rupture guard alarm.

## Features

- Mini-size 2"X 1-1/2" X 2-3/4"
- Standard SPDT switch action
- Automatic or manual reset
- Models available with high temperature bellows and built-in pressure pulsation snubber for direct head mount high pressure sensing/limit applications
- Plug connectible with hub for 1/2" flexible conduit
- Factory preset to customer desired pressure specifications
- Precise, repeatable settings
- Narrow differential "Micro" switch available on low pressure models

## Specifications

Electrical rating standard switch .....SPDT Standard switch - High/low pressure  
.....Load contact: 6 FLA - 36 LRA - 120/240 VAC  
.....Pilot duty: 240 VAC @ 120, 480 Va @ 240 VAC  
Electrical rating micro switch.....Micro switch - Low pressure  
.....2.5 FLA - 15 LRA - 120/240 VAC  
.....Pilot duty: 120 Va @ 120, 240 Va @ 240 VAC  
Ambient temperature .....Storage -30° to +160°F, Operating -20° to +140°F  
Low pressure - Single diaphragm maximum media temperature..... 150°F  
High pressure - Bellow design maximum media temperature.....300°F  
..... Internal pressure pulsation snubber available for direct head mount  
Weight..... Approximately 0.25 lb. depending on configuration  
Compatibility .....HFC, HCFC, CFC  
Worldwide approvals.....UL/CUL/VDE/TUV  
UL/CUL file number..... E85974

Model number nomenclature - Example: PSC-W6S 0097793

Series	Function	Pressure range / contacts	Pressure connections	Unique identifier
PSC	-W	6	S	0097793
Mini Pressure Control	A = Pressure Control, Automatic, high or low pressure applications (single diaphragm option, 158°F rating, range 1-5 only, without snubber) (bellows option, 300°F rating, with snubber, range 6 only)  B = Pressure Cut-Out, External Manual Reset, din/tuv approved (double diaphragm option, 158°F, without snubber, range 1-5) (bellows option, 300°F rating, with snubber, range 6 only)  R = Pressure Control, External Manual Reset, high or low pressure applications (single diaphragm option, 158°F rating, range 1-5 only,without snubber) (bellows option, 300°F rating, with snubber, range 6 only)  W = Pressure Limiter, Automatic, din/tuv approved (double diaphragm option, 158°F, without snubber, range 1-5) (bellows option, 300° F rating, with snubber, range 6 only)	Standard Contacts 1 = low pressure 15" hg to 90 psig 5 = high pressure 100 to 465 psig 6 = high pressure 145 to 623 psig  Microswitch Contacts J = low pressure 15" hg to 90 psig	K = 1m (3 ft) cap tube with 1/4" flare nut (range 1-5)  I = 1m (3 ft) cap tube with 1/4" odm solder connection (range 1-5)  S = 1/4" female flare fitting, schrader depressor (range 1-6)	

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High event range (psig)	Differential range (psid)	Pressure setting	Reset function	Pressure connection	Electrical connection	Electrical ratings	Maximum over pressure	Mounting options	Model number	Item number
Low pressure controls										
15 to 90	9 Low/15 High	5/15	Auto	1/4" Female Flare with Schrader Depressor Range 1-6	DIN Plug with 1/2" NPTF Hub for Flex Conduit Connection 36" Cable	6 FLA/36 LRA	360 psig	Free Standing Direct Mount	PSC-A1S 0097849	097849
15 to 90	4 Low/7 High	1.5/6	Auto	1/4" Female Flare with Schrader Depressor Range 1-6	DIN Plug with 1/2" NPTF Hub for Flex Conduit Connection 36" Cable	2.5 FLA/15 LRA	360 psig	Free Standing Direct Mount	PSC-AJS 0097815 <sup>1</sup>	097815
High pressure controls										
145 to 623	72 Low/87 High	395	Pressure Cut-Out, External Manual	1/4" Female Flare with Schrader Depressor Plus Stainless Steel Bellows with Snubber, Range 1-6	DIN Plug with 1/2" NPTF Hub for Flex Conduit Connection 36" Cable	6 FLA/36 LRA	695 psig	Free Standing Direct Mount	PSC-B6S 0097998	097998
145 to 623	72 Low/87 High	320/395	Pressure Limiter, Auto	1/4" Female Flare with Schrader Depressor Plus Stainless Steel Bellows with Snubber, Range 1-6	DIN Plug with 1/2" NPTF Hub for Flex Conduit Connection 36" Cable	6 FLA/36 LRA	695 psig	Free Standing Direct Mount	PSC-W6S 0097793	097793

<sup>1</sup> Micro-Switch Construction.

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