

PS1 and PS2 Series temperature pressure controls



Ideally suited for commercial refrigeration and large-scale chillers

Emerson pressure controls are available in both single (PS1) and dual control (PS2) models with your choice of manual or automatic resets. With industry-standard mounting plates and flexible design, Emerson's adjustable pressure controls are easy to install and easy to use. Premium silver cadmium contacts provides excellent conductivity, low electrical resistance and superior wear characteristics.

Our pressure controls can be configured with a variety of connections. With laser-welded bellows and extended pressure ranges, the uncompromising design of Emerson pressure controls provide safety and reliability for even the most demanding applications.

Features

- Adjustable pressures and differentials
- Narrow adjustable differential depending on model
- Range and differential scale in Bar and psig
- Range and differential individually lockable by tab
- High rated SPDT contacts for all versions
- Captive terminal and cover screws
- Manual toggle for system checkout and override
- Factory installed wire bridge for reduced installation effort (PS2)
- High side convertible from manual to auto reset (PS2)

Options

- Different pressure connections
- Automatic and manual reset versions
- Factory set to customer specification

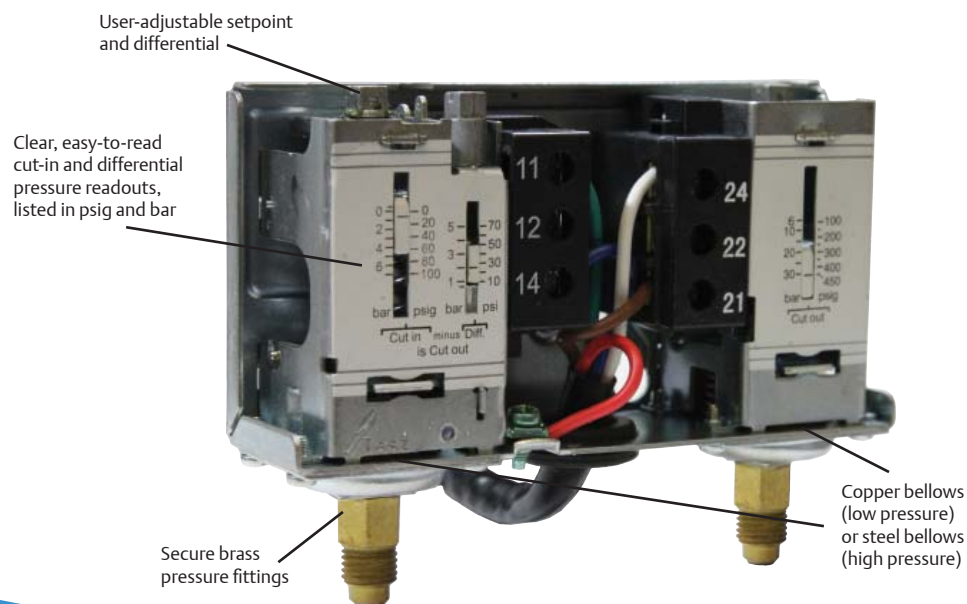
Specifications

SPDT switch rated for:

- 12FLA and 72LRA at 240VAC,
- 16FLA and 96LRA at 120VAC

Agency approvals include:

- UL/CUL file number E85974,
- CE per (LVD) low voltage directive





Nomenclature

example: PS1-X5K

PS1	Function		Pressure Range	Connection Type
Adjustable Single Pressure Control	X = Auto reset Y = Manual reset - external	External range and differential adjustments	3 = 9" Hg to 102 psig (0.3 to 7 bar) 4 = 29 to 290 psig (2 to 20 bar) 5 = 87 to 464 psig (6 to 32 bar)	A = 1/4" SAE male flare K = 1 m (3 ft.) cap tube w/ 1/4" flare nut

example: PS2-Y7A

PS2	Function		Pressure Range	Connection Type
Adjustable Dual Pressure Control	X = Auto reset	Internal range and differential adjustments	7 = Left side: 9" Hg to 102 psig (-0.3 to 7 bar) Right side: 87 to 464 psig (6 to 32 bar)	A = 1/4" SAE flare fitting K = 1 m (3 ft.) cap tube w/ 1/4" flare nut L = 1 m (3 ft.) cap tube w/ 1/4" ODM solder connection
	Y = Low side: Auto reset Y = High side: Convertible reset	External range and external differential		

Ordering Information

Single Pressure Control	PCN	Adjustment Range		Factory Setting (psig)	Connection Type			
		Upper Setpoint (psig)	Differential Setpoint (psig)					
Low Pressure Controls								
PS1-X3A	099022	9" Hg to 102 psig	15 to 73 psig	49/65 psig	1/4" SAE male flare			
PS1-X3K	099024				1 m (3 ft.) cap tube w/ 1/4" flare nut			
High Pressure Controls								
PS1-X5A	099026	87 to 464 psig	44 to 218 psig	141/280 psig	1/4" SAE male flare			
PS1-X5K	099027			230/290 psig	1 m (3 ft.) cap tube w/ 1/4" flare nut			
PS1-Y5K	099030		Fixed	290 psig				
Dual Pressure Control	PCN	Low Pressure Side			High Pressure Side			Connection Type
		Pressure Range	Differential	Factory Setting	Pressure Range	Differential	Factory Setting	
PS2-Y7A	099008	9" Hg to 102 psig	15 to 73 psig	49/65 psig	87 to 464 psig	Fixed	290 psig	1/4" SAE flare fitting
PS2-Y7K	099009							1 m (3 ft.) cap tube w/ 1/4" flare nut

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