

PS1 Series Single Control

Temperature Pressure Controls

PS1 Single Pressure Controls are designed for use on high and low pressure applications in refrigeration, air conditioning and heat pump systems, providing single-device control of the compressor or other electrical device.

Features

- Adjustable pressures and differentials
- Narrow adjustable differential depending on model
- Range and differential pointer in units 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

Options

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



Specifications

- SPDT switch rated for 12FLA and 72LRA at 240VAC and 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

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

Dimensional Diagram mm (in)

