

PS1 Series Single Control

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	

Standard Product Offering

Dimensional Diagram mm (in)

