

PRESSURE CONTROLS

ALCO PS1 SERIES SINGLE PRESSURE CONTROLS

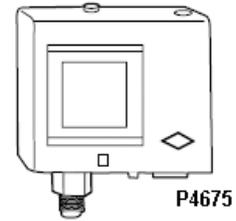
PS1 Single Pressure Controls are designed for use on high and low pressure applications in refrigeration and heat pump systems. By operating a set of electrical contacts, a pressure is kept inside a certain limit.

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 wire seal.
- 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

OPTIONS

- Different pressure connections.
- Automatic and manual reset versions.
- Factory set to customer specifications.
- Different types of mounting brackets.



SPECIFICATIONS

- SPDT switch rated for 120 VAC/240 VAC at 24 FLA and 144 LRA.
- Agency approvals include: UL/CUL file #E85974, VDE 0631/0660, TUV, CE 73/23/EWG, CE 93/68/EWG.
- Low pressure and high pressure versions available with TUV approval according to EN 12263 (supersedes DIN 32733) to meet requirements of DIN 8901 and EN378 (super cedes DIN 8975).

FF115 REPLACEMENT

NOMENCLATURE - EXAMPLE PS1-A5K

PS1	A	5	K
Product Name	Function	Pressure Range	Pressure Connector Type
PS1 = Adjustable single Pressure Control	A = Pressure control, automatic reset, internal range & differential adjustments	1 = 24" Hg to 42 psi (-0.75 to 3 bar) 2 = 26" Hg to 21 psi (-0.8 to 1.5 bar)	A = 7/16"-20 UNF male for 1/4" SAE Male flare
PSA = Customer specials	B = Pressure cut out, external manual reset, DIN/TUV approved, internal range and differential adjustments*, †	3 = 15" Hg to 100psi (-0.5 to 7 bar) 4 = 15 to 290 psi (1 to 20 bar)	C = R1/4" stainless steel with steel Bellows
	R = Pressure cut out, external manual reset, internal range and differential adjustments*, †	5 = 90 to 450 psi (6 to 31 bar)	F = 1/4-18 NPTF stainless steel with steel bellows
	S = Safety pressure cut out, internal manual reset, DIN/TUV approved, internal range & differential adjustments*, †		K* = 7/16" -20 UNF flare nut with 1 meter (3 ft) cap tube
	U = Convertible from R to A		L = 1/4" ODF solder with 1 meter (3 ft) cap tube
	W = Pressure control, automatic reset, DIN/TUV approved, internal range and differential adjustments		R = R1/4"
	X = Pressure control, automatic reset, external range and differential adjustments		U = 6 mm ODF solder, 80 mm tube Length
	Y = Pressure cut out, external manual reset, external range and differential adjustments		X = 1/4" ODF solder, 80 mm tube Length
	*Function types B, R, S in combination with Pressure Range 1 or 3 have a low Pressure manual reset function. (15 psi differential) †Function types B, R, S in combination with Pressure Range 4 or 5 have a high pressure manual reset function. (60 psi diff.)		