

## PS1 series single pressure controls

PS1 Single Pressure Controls are designed for use on high and low pressure applications in refrigeration, airconditioning 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

### Nomenclature

Type code

PS1 -

#### Product name

PS1 = Adjustable Single Pressostat

#### Function

A = Pressure control, automatic  
B = Pressure cut out, external manual reset EN 12263  
R = Pressure control, external manual reset  
W = Pressure limiter, automatic, DIN/EN 12263

#### Pressure connector

A = 7/16" -20 UNF male (1/4" SAE male flare)  
K = 1m cap tube and schrader valve opener, 7/16" -20UNF flare nut  
U = 6mm ODF solder, 80mm length  
R = 1/4" male, brass (1/4" BSPP Fitting)

#### Pressure range

3 = -0.3 to 7 bar  
4 = 2 to 20 bar  
5 = 6 to 31 bar



### 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

## Ordering information

Single pressure control	PCN	Pressure range (bar)	Differential (bar)	Factory setting (bar)	Function	Pressure connection
PS1-A3A	099035	-0.3 to 7	1 to 5	3.4	Automatic	1/4" SAE male flare
PS1-A3K	099041	-0.3 to 7	1 to 5	3.4	Automatic	1m cap tube with nut
PS1-A3R	099014	-0.3 to 7	1 to 5	3.4	Automatic	1/4" BSPP fitting
PS1-A3U	099015	-0.3 to 7	1 to 5	3.4	Automatic	6mm tube, 80mm length
PS1-A4A	099016	2 to 20	3 to 15	10	Automatic	1/4" SAE male flare
PS1-X4A	099043	2 to 20	3 to 15	10	Automatic	1/4" SAE male flare
PS1-A5A	099036	6 to 31	3 to 15	20	Automatic	1/4" SAE male flare
PS1-A5K	099039	6 to 31	3 to 15	20	Automatic	1m cap tube with nut
PS1-B5U	099020	6 to 31	3 to 15	20	External Manual Reset	6mm tube, 80mm length
PS1-R5A	099037	6 to 31	Fixed	20	External Manual Reset	1/4" SAE male flare
PS1-W5U	099033	6 to 31	3 to 15	20	Automatic	6mm tube, 80mm length
Bracket	099019					

Note: Bracket not included with controls. Sold separately. 100 brackets per box.

## Dimensional drawing

