

## Pressure Switches - Low Pressure

### Pressure Switches - Low Pressure



- These SPDT pressure controls open or close an electrical circuit from a change in operating air pressure and are used in pneumatic systems & control of pumps or small air compressors
- Controls have a visible calibrated scale and adjustable range
- Snap acting switch in a dust protected enclosure
- Includes a universal mounting bracket (No. BKT16A-600R) as well as a barbed fitting



Number of Stages	Switch	Range	Factory Setting				Pressure Connector	Brand	Part Number
			psig		Switch Differential				
1	SPDT	3 to 20 psi	12 (R to Y Cut-in)		2 psi		Barb Fitting	Johnson	P10BC-7C
2	SPDT	3 to 20 psi	8 - Low Stage (R-Y Cut-out)	12 - High Stage (R-Y Cut in)	2 psi Low Stage	2 psi High Stage	1/8" Barb Fitting Has a jumper installed on the common terminals		P10FC-4C

## Pressure Switches - Pressuretrol®

### Pressuretrol® Controllers



- Provides operating control, automatic or manual reset limit protection for pressure systems up to 300 psi (2068kPa)
- Use with steam, air, noncombustible gases, or other fluids non-corrosive to pressure sensing element
- Snap acting switching to open or close a circuit on pressure rise
- Adjustable differentials
- Mounts with 1/4" NPT internal pipe thread or surface mount through back of case
- Stainless steel diaphragm sensing element
- Auto recycle switch operation
- **Honeywell L404F Series**

### Pressuretrol® Limit Controllers



- High pressure limit switch provides limit control of steam, air, non-combustible gases and fluids non corrosive to stainless steel
- Micro Switch™ snap acting switches open automatically on pressure rise; must be manually reset
- Mounts with 1/4" NPT internal thread or surface mount through back of case
- Stainless steel diaphragm sensing element
- Screw terminals
- Manual reset
- **Honeywell L4079B Series**

### Pressuretrol® Controllers - 24/120/240/277 Volt or 750mV



- 2 Wire, SPST controller for use in 24, 120, 240 or 277 volt control circuits or in millivolt applications
- Sensitive pressure-actuated diaphragm expands or contracts with pressure variations, moving a lever mechanism that operates the snap-switch
- Contains SPST snap-acting switch
- Adjust setpoint without removing the cover
- Set differential using a dial located inside the case
- 1/4" FNPT pipe connections
- **Honeywell PA404A Series:** Pressure Actuated High Limit Safety Control For Steam Heating Boilers
- **Honeywell PA404B Series:** Used With Suspension-Type Unit Heaters

# Honeywell

*Contact Davies Experts On Controls For Proper Application*

# Pressure Switches - Pressuretrol®

## Pressuretrol® Proportional Controllers



- Modulating pressure operating control for regulation of liquid, air and other non-corrosive gases
- Use with steam, air, noncombustible gases, or other fluids non corrosive to the bellows
- DO NOT use with combustible mediums or any medium chemically harmful to bellows
- Optional surface mount through back of case
- 1/4" NPT Main or high pressure piping connections
- Brass or phos-bronze bellows sensing element
- Modulating switch operation
- Modulating Output: Single or Dual potentiometer, 135-140 ohms

Operating Range	Maximum Sustained Operating Pressure	Pressure Differential	Sensing Element	Brand	Part Number
0 to 15 psi 0 to 103 kPa	25 psi 172 kPa	0.5 psi 3.4 kPa	Brass Bellows	Honeywell	L91A1037
5 to 150 psi 34 to 1034 kPa	225 psi 1551 kPa	5 psi 34 kPa	Brass Bellows		L91A1052
10 to 300 psi 69 to 2068 kPa	325 psi 2241 kPa	12 psi 83 kPa	Phos-Bronze Bellows		L91A1078
10 to 300 psi 69 to 2068 kPa	325 psi 2241 kPa	12 psi 83 kPa	Phos-Bronze Bellows		L91A1136
0 to 15 psi 0 to 103 kPa	25 psi 172 kPa	1.5 to 12 psi 10 to 83 kPa	Brass Bellows		L91B1035
2 to 50 psi 14 to 354 kPa	85 psi 586 kPa	4 to 32psi 34 to 221 kPa	Brass Bellows		L91B1043
5 to 150 psi 34 to 1034 kPa	225 psi 1151 kPa	5 to 23 psi 35 to 160 kPa	Brass Bellows		L91B1050
10 to 300 psi 69 to 2068 kPa	325 psi 2241 kPa	28 to 110 psi 193 to 758 kPa	Phos-Bronze Bellows		L91B1068
5 to 150 psi 0-1 MPa	225 psi 1151 kPa	5 to 23 psi 35 to 160 kPa	Brass Bellows		L91B1100
10 to 300 psi 0-2 MPa	325 psi 2241 kPa	28 to 110 psi 193 to 758 kPa	Phos-Bronze Bellows		L91B1118
10 to 300 psi 69 to 2068 kPa	325 psi 2241 kPa	12 to 48 psi 85 to 330 kPa	Phos-Bronze Bellows		L91B1241
0 to 15 psi 0 to 103 kPa	25 psi 172 kPa	1.5 to 12 psi 10 to 83 kPa	Brass Bellows		L91D1015
5 to 150 psi 34 to 1034 kPa	225 psi 1151 kPa	11 to 52 psi 76 to 359 kPa	Brass Bellows		L91D1031

## Pressuretrol® Steam Trap/Siphon Loop



Description	Brand	Part Number
Steam Trap/Siphon Loop Used With: L404, L408, L91 or P7810A,B 1/4" NPT External Thread	Honeywell	14026

# Honeywell

# Pressure Switches - Refrigeration

## Pressure Switch - High Pressure



- Condenser fan cycling controls (for non-corrosive refrigerants) in commercial refrigeration and air conditioning applications
- All-steel case and cover provides long lasting, rugged protection for internal components
- "Sight-Set" calibrated pressure adjustment displays a visible pressure scale, fully adjustable through the range without removing the cover

Switch Action	Range	Differential	Pressure Connection	Max Overpressure	Max Working Pressure	Brand	Part Number
SPST Opens Low	100 to 400 psig	Minimum 35 psi Maximum 200 psi	36" capillary with 1/4" flare nut	475 psig	400 psig	Johnson	<b>P70AA-118C</b>

## Pressure Switch - High Pressure - Single Function



- For high pressure control in commercial refrigeration applications
- Suitable for R12, R22 & R502 applications
- NEMA 1 enclosure with non-conductive cover
- Large, easy to read scale plate
- SUPER CAP® capillary protection system
- Universal mouthing and compact design
- Laser welded bellows for extended life
- Heavy duty plated steel frame
- **Replaces**  
**Johnson:** P70AA-144, P70AA-143, P70AC-1, P70AC-8, P70AA-158, 2P6 P70AA-91, P70AA-68 & P70AA-78

Switch Action	Range	Differential	Reset	Pressure Connection	Brand	Part Number
SPST Opens Low	100 to 400 psi	40 to 150 psi	Auto	36" capillary with 1/4" SAE flare nut	Ranco	<b>O10-2054</b>

## Pressure Switch - High & Low Pressure - Dual Function



- For R12, R22 & R502 refrigerants. Low & high pressure function are combined into a single control with one switch
- NEMA 1 enclosure with non-conductive cover
- Large, easy to read scale plate
- SUPER CAP® capillary protection system
- Universal mouthing and compact design
- Color coded flare nuts
- **Replaces**  
**Honeywell:** 107555  
**Johnson:** P70LA-1, P70LA-14, P70LA-20, P70LA-24, P70LA-28, P70LB-1, P70LB-19

Switch Action	Low Pressure (Opens Low)			High Pressure (Opens High)			Pressure Connection	Brand	Part Number
	Cut In Range	Differential	Reset	Cut Out Range	Differential	Reset			
SPST Opens Low & High	10" to 100 psi	10 to 40	Auto	150 to 450 psi	70 Fixed	Auto	36" capillary with 1/4" SAE flare nut	Ranco	<b>O12-1549</b>

# Pressure Switches - Refrigeration

## Pressure Switch - Low Pressure - Single Function



- For low pressure control in commercial refrigeration applications
- NEMA 1 enclosure with non-conductive cover
- Large, easy to read scale plate
- SUPER CAP® capillary protection system
- Universal mouthing and compact design
- Laser welded bellows for extended life
- Heavy duty plated steel frame
- **Replaces**  
**Honeywell:** P420B  
**Johnson:** 970AB-29, P70AA-123, P70AC-9, P70AB-12, P70AB-40, P70AA-47 & P70AB-44

Switch Action	Range	Differential	Reset	Pressure Connection	Brand	Part Number
SPST Opens Low	12" to 50 psi	5 to 35 psi	Auto	36" capillary with 1/4" SAE flare nut	Ranco	<b>O10-1402</b>