

P20 Series

Air Conditioning/Pressure Cutout Control

Description

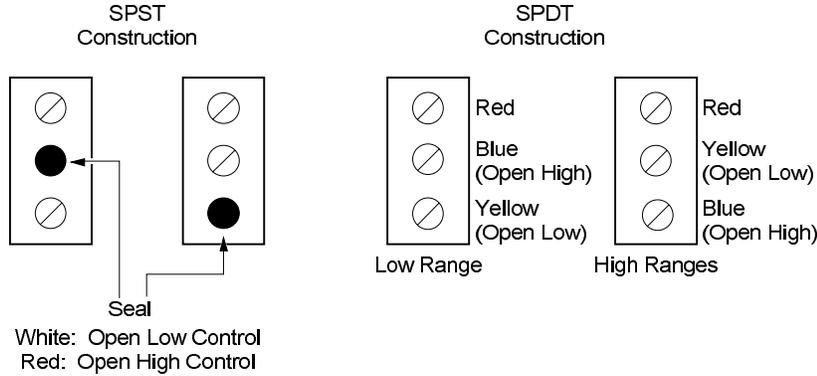
The P20 Series are field replacement high and low pressure controls for non-corrosive refrigerants. They include a dust-tight contact unit with quick connect connectors, and a 36 in. or 42 in. capillary with 1/4 in. sweat section. The set point is screwdriver adjustable.

Features

- accurate repeatability
- compact size
- trip-free manual reset



P20DB-1



Control action is identified by colored sealing compound or terminal markings on switch.

p20spst.eps

Applications

- air conditioning high/low pressure control
- refrigeration high/low pressure control
- head pressure control

Selection Chart

Code Number ¹	Pressure Connections	Switch Action	Range psig (kPa)	Differential psi (kPa)	Factory Setting, psig (kPa)		Max. Bellows Pressure psig (kPa)	Max. Temp.	
					Opens	Closes			
P20BB-1C ²	36 in. Capillary 1/4 in. Sweat Tube	Open On Fall	7 to 150 (48 to 1034)	Manual Reset	40 (276)	Lockout	250 (1724)	140°F	
P20DB-1C ³		Open On Rise			100 to 425 (690 to 2930)	Manual Reset			400 (2758)
P20GB-1C	42 in. Capillary 1/4 in. Sweat Tube	SPDT Open On Rise	100 to 425 (690 to 2930)	Manual Reset	360 (2482)	Lockout			450 (3103)
P20EB-1C ⁴	36 in. Capillary 1/4 in. Sweat Tube	SPDT	7 to 150 (48 to 1034)	30 (172) Fixed	40 (276)	70 (448)			250 (1724)
P20EB-18C	42 in. Capillary 1/4 in. Sweat Tube	SPDT	7 to 150 (48 to 1034)	22 (152) Fixed	15 (103)	37 (255)			250 (1724)
P20EB-2C ⁵	36 in. Capillary 1/4 in. Sweat Tube	SPDT	100 to 425 (690 to 2930)	75 (483) Fixed	400 (2758)	324 (2275)			450 (3103)

1. Mounting bracket supplied on all models.
2. Replaces Ranco G20-4412; Robertshaw 3126-216, 3160-212
3. Replaces Ranco G23-5253; Robertshaw 3127-220, 3161-205; Honeywell P430X-1250, 1268, 1292, 1300
4. Replaces Ranco G20-4050; Robertshaw 3126-116, 3160-012, 3160-014; Honeywell P431X-1092, 1100
5. Replaces Ranco G23-5052; Robertshaw 3127-140, 3127-414, 3161-009; Honeywell P430X, 1235, 1243, 1276, 1284

Accessories

Code Number	Description
210-604R	Black phenolic resin spring clip snap-on insulated terminal cover

Technical Specifications

Electrical Ratings

Motor Ratings VAC	120	208	240	277
AC Full Load A	16.0	9.2	8.0	7.0
AC Locked Rotor A	96.0	55.2	48.0	42.0
SPDT	16.0	16.0	16.0	—

Pilot Duty: 125 VA @ 24 VAC, 720 VA @ 120-277 VAC