

P100 Series

Encapsulated Pressure Switches

Description

P100 Series switches are encapsulated, nonadjustable, SPST, direct-mount switches for use with noncorrosive refrigerants. The switches are available with automatic reset in both open low and open high configurations and manual reset with open high action.

Features

- compact size and light weight allow for direct mounting
- trip-free manual reset (manual reset models)...contacts cannot be overridden by continued depression of the reset button
- use with all non-corrosive refrigerants
- encapsulated switch, dust tight
- 1/4 in. female flare fitting with built-in Schrader type depressor is standard
- electrical connections are made to 48 in. leads

Applications

- low limit, high limit, and fan cycling control in commercial refrigeration
- ice machines
- food service equipment

Technical Specifications

Electrical Ratings

Ratings	120 VAC	240 VAC
AC Full Load A (FLA)	5.8	2.9
AC Locked Rotor A (LRA)	34.8	15.0
Pilot Duty – 375 VA at 120/240/277 VAC; 2 A at 28 VAC/VDC		



P100

Selection Chart

Code Number	Switch Action	Application	Setting – psig (kPa)		Replaces:			
			Opens	Closes	Gemline	Ranco	Robertshaw	Saginomiya
P100AP-201C	Open On Pressure Drop	Low Cutout	10 (69)	32 (221)	–	MPL-7011	3100-050	–
P100AP-2C			35 (241)	60 (414)	–	MPF-7004	3100-004	–
P100AP-9C ¹			25 (172)	80 (52)	–	–	–	–
P100AP-3C		Fan Cycling	150 (1034)	225 (1551)	–	MPF-7008	–	ABC-AA01
P100AP-4C			170 (1172)	250 (1724)	–	–	–	–
P100AP-332C ²			300 (2068)	400 (2758)	–	–	–	–
P100AC-1C ³		Low Cutout	5 (34)	20 (138)	–	MPL-7001	–	–
P100AC-2C ³			15 (103)	30 (207)	–	MPL-7002	–	–
P100CP-1C	Open On Pressure Rise	High Cutout	400 (2758)	300 (2068)	PC151	MPH-7107	3100-151	–
P100CP-2C			425 (2930)	325 (2241)	PC100	MPH-7108	3100-100	–
P100CP-85C ^{2 4}			665 (4585)	565 (3896)	–	–	–	–
P100CC-9C ³			275 (1896)	175 (1207)	–	–	3100-112	–
P100DA-1C		High Limit	410 (2827)	Lockout Manual Reset	PC103	–	3100-103	–
P100DA-2C			475 (3275)		–	–	3100-106	–
P100DA-35C			350 (2413)		–	–	–	–
P100DA-81C ²			630 (4344)		–	–	–	–
P100DA-86C ²			575(3964)		–	–	–	–
P100DC-3C ⁵			375 (2586)		–	–	–	–

1. 18 in. wire leads
2. Compatible with R410A refrigerant
3. Includes conduit clamp (shown above)
4. 1/4 in. male spade terminals
5. In conduit box