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.

Technical Specifications

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

Features

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

P74EA-8

Selection Chart

Code Number	Switch Action	Application	Setting – psig (kPa) Opens	Closes	Replaces: 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-3C		Fan Cycling	150 (1034)	225 (1551)	–	MPF-7008	–	ABC-AA01
P100AP-4C			170 (1172)	250 (1724)	–	–	–	–
P100AC-1C [1]		Low Cutout	5 (34)	20 (138)	–	MPL-7001	–	–
P100AC-2C [1]			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	–
P100CC-9C [1]			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)		–	–	–	–
P100DC-3C [2]			375 (2586)		–	–	–	–

1. Includes conduit clamp (shown above)
2. In conduit box