

P100 Series Encapsulated Pressure Switches (Continued)

Selection Chart (Part 3 of 3)

Product Code Number	Switch Action	Setpoints - psig (kPa)		Replaces:								
		Opens	Closes	Ranco®	Robertshaw®	Saginomiya	Danfoss®	Klixon®	Supco	Wilspec	International Refrigeration Products	Gemline
P100DA-35C	Open on Pressure Rise	350 (2,413)	Lockout Manual Reset	-	-	ACBPC45M	-	-	-	-	-	-
P100DC-3C ³		375 (2,586)	Lockout Manual Reset	-	-	-	-	-	-	-	SMR375	-
P100DA-1C		410 (2,827)	Lockout Manual Reset	-	3100-103	ACBPCB115M	-	29PSL012-24	SMR410	HM202A410000D	SMR410	PC 103
P100DA-100C		415 (2,859)	Lockout Manual Reset	-	3100-103	-	-	29PSL004-1	-	HM202A415000D	SMR410	-
P100DA-101C		440 (3,032)	Lockout Manual Reset	-	-	-	-	-	SMR440	-	SMR440	-
P100DA-2C		475 (3,275)	Lockout Manual Reset	-	3100-106	-	-	-	-	HM202A475000D	-	-
P100DA-86C		575 (3,964)	Lockout Manual Reset	-	-	-	-	-	SMR575	-	-	-
P100DA-81C		630 (4,343)	Lockout Manual Reset	-	-	-	-	-	SMR630	-	-	-

1. Models are designed for condenser fan cycling.
2. Includes conduit clamp for 3/8 in. flexible metal conduit.
3. Includes conduit box with opening for 1/2 in. conduit connector.



Cross-Reference

Ranco® Refrigeration Cross-Reference (Continued)

Pressure Controls (Ranco Series 3100, MPF, MPH, and MPL) (Part 2 of 3)

Product	#	Cut-Out	Cut-In	Range	Switch	Electrical	Pressure	Notes
Ranco PENN	3100-102 P100CA-2C	220 425	170 325	None None	SPST SPST	QC 48" Leads	1/4" Internal Flare 1/4" Internal Flare	(8)
Ranco PENN	3100-103 P100DA-1C	410 410	Manual Manual	None None	SPST SPST	42" Leads 48" Leads	1/4" Internal Flare 1/4" Internal Flare	
Ranco PENN	3100-104 P70DA-1C	420 ADJ.	Manual Manual	None 50/450	SPST SPST	48" Leads Screw Terms.	1/4" Internal Flare 36" Cap, Flare	(4)(5)(7)(8)
Ranco PENN	3100-105 P70DA-1C	440 ADJ.	Manual Manual	None 50/450	SPST SPST	36" Leads Screw Terms.	.093 Cap. Tube 36" Cap, Flare	(4)(5)(7)(8)
Ranco PENN	3100-106 P100DA-2C	475 475	Manual Manual	None None	SPST SPST	42" Leads 48" Leads	1/4" Sweat w/ Cap. 1/4" Internal Flare	(4)
Ranco PENN	3100-107 P70DA-1C	232 ADJ.	Manual Manual	None 50/450	SPST SPST	84" Leads Screw Terms.	1/4" Internal Flare 36" Cap, Flare	(4)(5)(7)(8)
Ranco PENN	3100-108 P20EB-2C	280 ADJ.	Manual N/A	None 100/425	SPST SPDT	12" Leads Arkles	1/4" NPTF 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-110 P20EB-2C	375 ADJ.	275 N/A	None 100/425	SPDT SPDT	QC Arkles	1/4" Sweat 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-111 P20EB-2C	375 ADJ.	275 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-112 P20EB-2C	275 ADJ.	175 N/A	None 100/425	SPST SPDT	24" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-113 P20EB-2C	395 ADJ.	295 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Sweat 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-115 P20EB-2C	350 ADJ.	250 N/A	None 100/425	SPDT SPDT	36" Leads Arkles	1/4" Sweat 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-116 P20EB-2C	213 ADJ.	113 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-117 P20EB-2C	140 ADJ.	190 N/A	None 100/425	SPST SPDT	12" Leads Arkles	.093 Cap. Tube 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-118 P20EB-2C	295 ADJ.	395 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-120 P20EB-2C	420 ADJ.	320 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-121 P20EB-2C	426 ADJ.	272 N/A	None 100/425	SPST SPDT	QC Arkles	1/4" Sweat 36" Cap, Sweat	(4)(5)(6)(7)
Ranco PENN	3100-150 P20EB-2C	350 ADJ.	250 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-151 P100CA-1C	400 400	300 300	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" Internal Flare	
Ranco PENN	3100-152 P100CA-1C	400 400	200 300	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" Internal Flare	
Ranco PENN	3100-153 P20EB-2C	450 ADJ.	250 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(4)(5)(6)(7)(8)
Ranco PENN	3100-154 P70LB-1C	500 ADJ.	400 N/A	None 100/500	SPST SPST	18" Leads Screw Terms.	1/4" Internal Flare 36" Cap, Flare	(4)(5)(7)(8)(9)
Ranco PENN	3100-155 P70LB-1C	500 ADJ.	300 N/A	None 100/500	SPST SPST	18" Leads Screw Terms.	1/4" Internal Flare 36" Cap, Flare	(4)(5)(7)(8)(9)
Ranco PENN	MPF-7006 P20EB-1C	75 ADJ.	120 N/A	None 7/150	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN	MPF-7007 P20EB-1C	110 ADJ.	170 N/A	None 7/150	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN	MPF-7008 P100AA-3C	150 150	225 225	None None	SPST SPST	18" Leads 48" Leads	1/4" Internal Flare 1/4" External Flare	
Ranco PENN	MPF-7009 P20EB-2C	190 ADJ.	275 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN	MPF-7010 P20EB-2C	300 ADJ.	400 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)
Ranco PENN	MPH-7101 P20EB-2C	250 ADJ.	180 N/A	None 100/425	SPST SPDT	18" Leads Arkles	1/4" Internal Flare 36" Cap, Sweat	(6)(7)(8)

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