P100

Direct Mount Pressure Switches



The P100 Series are encapsulated, non-adjustable, direct mount pressure controls typically used for low and high-pressure cut-outs for OEM applications.

The P100 series are produced according to switchpoint requirements of customers. The small dimensions, weight and protection class makes the P100 series applicable for use without the need of additional mounting brackets.

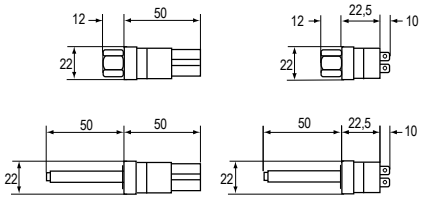
The P100 Series can be used for all non- corrosive refrigerants like R134a; R22; R404, R410A and others.

Features

- Compact size and light weight
- Encapsulated, dust tight switch IP67
- Broad variety of electrical and pressure connections.

Application

- Computer room air conditioning
- Refrigeration/ Air conditioning condensers
- Commercial refrigeration
- Ice machines
- Food service equipment



Dimensions in mm

Auto Reset Models

Ordering Codes	Application	Refrigerant	P (bar) Open	P (bar) Close	P open ± (bar) tolerance	P close ± (bar) tolerance	Connection "1/4" "SAE Fem Flare"	Connection 50 mm straight, 6 mm dia. x 7 mm reduced end, copper clad brazing tube (TIF5)	Electr. Termination	Switch
P100AP-300D	Low Pressure Auto Reset Normally Open	R134A	2,5	4	0,5	0,5	•	---	2 Mt.	SPST
P100AP-301D							---	•		
P100AP-302D		R407C	4	6			•	---		
P100AP-306D		R404A	0,3	2,8	0,4	0,4				
P100AP-308D		---	0,5	1,5	0,3	0,3			FASTON	
P100AP-309D			0,7	2,2					1,2 Mt.	
P100AP-310D									3 Mt.	
P100CP-102D	High Pressure Auto Reset Normally Closed	R134A	16	11	0,7	1,4			2 Mt	
P100CP-103D							---	•		
P100CP-104D		R407C	24	18			•	---		
P100CP-106D		R404A	28	23		0,7				
P100CP-107D							---	•		
P100CP-108D		R410A	38	28			•	---	FASTON	
P100CP-110D		---	27,6	20,7					2 Mt.	
P100CP-111D			26	20						

For further information and additional models see Product Bulletin

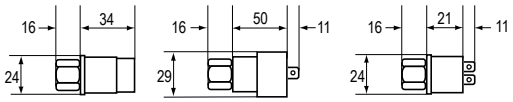
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P100
Direct Mount Pressure Switches



Features

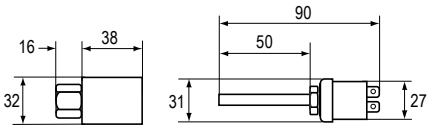
- Compact size and light weight
- Encapsulated, dust tight switch IP67
- Manual reset models have a trip-free design
- Models with gold-plated contacts available
- Broad variety of electrical and pressure connections



Dimensions in mm

Manual Reset Models

Ordering Codes	Application	Refrigerant	P (bar) Open	P (bar) Close	P open ± (bar) tolerance	P close ± (bar) tolerance	Connection "1/4" "SAE Fem Flare"	Connection 50 mm straight, 6 mm dia. x 7 mm reduced end, copper clad brazing tube (TIF5)	Electr. Termination (Mt)	Switch
P100DA-66D	High Pressure Manual Reset	R134A	16		0,7	---	•	---	2	SPST
P100DA-67D							---	•		
P100DA-68D		R407C	26				•	---	3	
P100DA-69D							---	•		
P100DA-70D		R404A	28				•	---		
P100DA-71D							---	•		
P100DA-72D		R410A	38		1,0		•	---	2	
P100DA-73D			38				---	•		
P100DA-74D		R407C	26		0,7		•	---	1,2	
P100DA-75D		R410A	42				•		2	
P100DA-76D			42				---	•		



Dimensions in mm

P100 Heavy Duty Pressure Controls - Auto Reset

Ordering Codes	Application	Refrigerant	P (bar) Open	P (bar) Close	P open ± (bar) tolerance	P close ± (bar) tolerance	Connection "1/4" SAE Fem Flare"	Connection 50 mm straight, 6 mm dia. x 7 mm reduced end, copper clad brazing tube (TIF5)	Electr. Termination (Mt)	Switch
P100EE-17D	High Pressure Auto Reset Normally closed	R404A	20	25	1,0	1,0	•	---	1,5	SPDT
P100EE-18D		R134A	15	11						
P100EE-60D		R404A	28	21	0,7	0,7			2	
P100EE-61D							---	•		
P100EE-68D		R134A	3	25	0,35	0,35	•	---	1,8	

For further information and additional models see Product Bulletin

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Accessories

for Pressure Switches

Ordering Codes	Description	Minimum order qty.
BKT034N602R	Mounting bracket + screws for P35AC transducer	1
BKT275-1	Mounting bracket dual for P20	
210-25R	Mounting bracket for P20/P35 (single)	
WRN12-1	Wrench P20/P21	
210-604R	Terminal cover P20/P21	50
BKT024N002R	Mounting bracket for P233	1
FTG015N602R	Duct mounting kit "staight"	
FTG015N603R	Duct mounting kit "bent"	
GMT008N600R	Duct kit for P233, self locking grommet and tubing	
CNR003N001R	Connector 6 mm for P77/P78, P735/P736	
CNR003N002R	Connector 8 mm for P77/P78, P735/P736	
CNR012N001R	Adapter R3/8 female to 1/4-18 NPT male for P48	
CNR013N001R	Adapter R 3/8 female to 1/4-18 NPT female for P48	
TBG16A-600	Steam trap assembly P48	
KIT023N600	Locking kit for P48, P77/P78, P735/P736 - for field installation	
KIT031N600	Valve depressors for conversion style 13 - style 45a	100 (1 box)
KIT031N601	Valve depressors for conversion style 51 - style 50	
KIT034N600	Seal rings for style 50/51	250 (1 box)
271-51L	Mounting bracket for P28, P45, P48, P74, P77/P78, P735/P736	50

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Accessories

Ordering Codes	Description	Minimum order qty.
SEC002N600	Capillary kit, 90 cm, 2x style 13	100
SEC002N602	Capillary kit, 90 cm, style 13 - style 45a	
SEC002N606	Capillary kit, 200 cm, style 13 - style 45a	75
SEC002N607	Capillary kit, 200 cm, 2x style 13	
SEC002N616	Capillary kit, 90 cm, style 13 - cap.	150
SEC002N617	Capillary kit, 100 cm, style 13 - style 13	100
SEC002N621	Capillary kit, 90 cm, style 34 - style 34	
SEC002N622	Capillary kit, 90 cm, style 50 - style 50	
SEC002N624	Capillary kit, 200 cm, style 50 - style 50	75
SEC002N626	Capillary kit, 90 cm, style 50 - style 51	100
SEC002N627	Capillary kit, 200 cm, style 50 - style 51	
SEC002N628	Capillary kit, 300 cm, style 50 - style 51	75
SEC002N631	Capillary kit, 50 cm, style 13 - style 34	100
SEC002N632	Capillary kit, 20 cm, style 13 - style 45a	50

Replacement - Time relays P28 - P29

Ordering Codes	Timing (s)	Voltage	Switch Action
RLY13A603R	90	120/240	Manual reset, dual voltage (AC)
RLY13A620R	120		
RLY13A998R	50		
RLY13A626R	90	12	Manual reset, 12 VAC/DC
RLY13A627R	120	24	Manual reset, 24 VAC/DC
RLY13A635R	90		
RLY13A644R	50		

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