



Pressure Switches



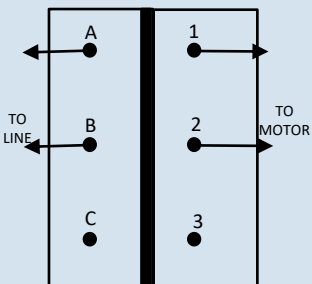
SPECIFICATIONS

Item :	Pressure Switches (Triple Pole)
Construction :	Bakelite contact block made of superior grid of phenol formaldehyde powder for very good electrical and mechanical properties
Suitability :	Ideally Suited for Air Compressors
Application:	To automatically start and stop motors of compressor & pressurized water plants.
Operation :	Smooth and Trouble Free with exceptionally long life
Pressure Range*:	A wide range of differential pressure setting available between starting and stopping pressures:
Cut out Pressure :	Starting from 1 up to 15 Kg/Cm ²
Maximum Differential :	Starting from 4 up to 7 Kg/Cm ²
Minimum Differential :	Starting from 0.6 up to 2.3 Kg/Cm ²
Set-up :	Differential pressure easy to set
Finish:	Slick, Superior finish, Scratch Resistant, Anti-corrosive color coating for longer life and attractive appearance

* Refer the Technical Data Below

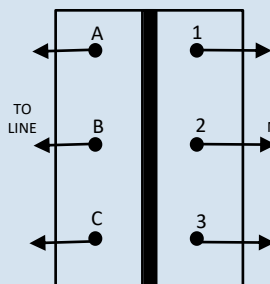
CONNECTION DIAGRAMS

FOR SINGLE PHASE MOTORS UP TO 1 H.P.



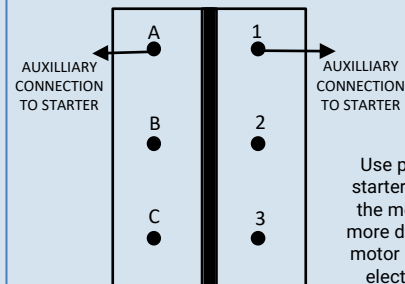
CONNECT
A, B TO LINE
& 1, 2 TO MOTOR
OR
CONNECT
A, B TO MOTOR
& 1, 2 TO LINE
OR
CONNECT
B, C TO LINE
& 2, 3 TO MOTOR

FOR THREE PHASE MOTORS UP TO 3 H.P.



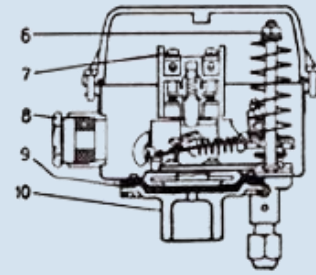
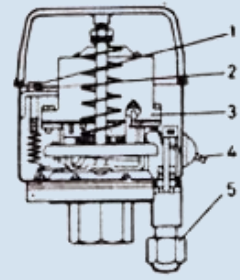
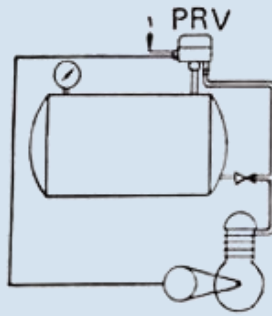
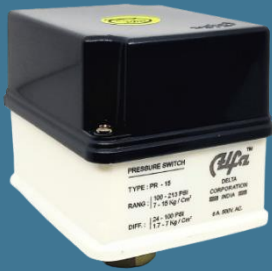
CONNECT
A, B, C TO LINE
& 1, 2, 3 TO MOTOR
OR
CONNECT
A, B, C TO MOTOR
& 1, 2, 3 TO LINE

FOR THREE PHASE MOTORS ABOVE TO 3 H.P.



CONNECT
A & 1
OR
B & 2
OR
C & 3

Use proper motor
starter according to
the motor H.P. For
more details, consult
motor starter mfrs's
electric diagram



TECHNICAL DATA

Type PR :	Triple pole pressure switches without unloading valve.
Type PR-X :	Triple pole pressure switches without unloading valve but with on-off knob.
Type PRV-X :	Triple pole pressure switches with on-off knob and unloading valve.
Type PRV :	Triple pole pressure switches without on-off knob but with an unloading valve which relieves pressure over the compressor piston when the electric motor stops. Hence, when the compressor restarts, there is no gauge pressure on the compressor piston and as a result the electric motor life & compressor life increases.
Medium & Temperature :	They are suitable for Air & Water & Can withstand temperature of medium 211 F (100 C)
Mounting on Compressor :	Designed for fitting to the air receiver by the connection (10) 1/2" B.S.P.
Unloading Function (Type PRV) :	Unloading valve (5) should be connected to the delivery line between the compressor and the receiver 1/4 inch flare connection provided.
Adjustment :	The stopping pressure is set by turning the regulating nut (6) and the starting pressure, which depends on the differential, by turning the regulating screw (2) Start the plant. When the stopping pressure required is reached, turn the regulating nut (6) anti-clock wise until the plant stops. If the plant stops before the pressure required is reached, the nut should be turned clock wise. Turning the regulating screw (2) anti-clock wise reduces the differential (increases the starting pressure) while turning it clock wise increases the differential pressure.

Model No.	Cut out Pressure Range		Minimum Differential		Maximum Differential		
	Kg/Cm ²	psi	Kg/Cm ²	psi	Kg/Cm ²	psi	
PR-4	1-4	14 - 58	0.6 - 0.7	8.5 - 10	4	57	Without unloading valve and on/off knob
PR-4X							With on/off knob but without unloading valve
PRV-4X							With on/off knob and unloading valve
PRV-4							With unloading valve but without on/off switch
PR-9	2.5-9.5	35.5-135	1.2-1.8	17-26	7	100	Without unloading valve and on/off knob
PR-9X							With on/off knob but without unloading valve
PRV-9X							With on/off knob and unloading valve
PRV-9							With unloading valve but without on/off switch
PR-15	7-15	100-213	1.7-2.3	24-33	7	100	Without unloading valve and on/off knob
PR-15X							With on/off knob but without unloading valve
PRV-15X							With on/off knob and unloading valve
PRV-15							With unloading valve but without on/off switch