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Specifications

Pneumatic Conveying Systems Simple Pressure Control Panel

A-9650

Rev. 1

10 / 17

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PRESSURE SWITCH SPDT SET POINTS (PSI)

SYSTEM _____
DWYER/MERCOID SERIES EDAW N1E1 02 T1

	PRESET	DESIGN	FIELD	REV.1
INFEED HIGH SP1H	2.5	2.5		
INFEED LOW SP1L	4.0	4.5		
BLOWER HIGH SP2H	1.0	1.0		
BLOWER LOW SP2L	6.0	6.0		

ALARM 1
ALARM 2

2L - BLOWER DOES NOT
AUTO-RESTART

C101905

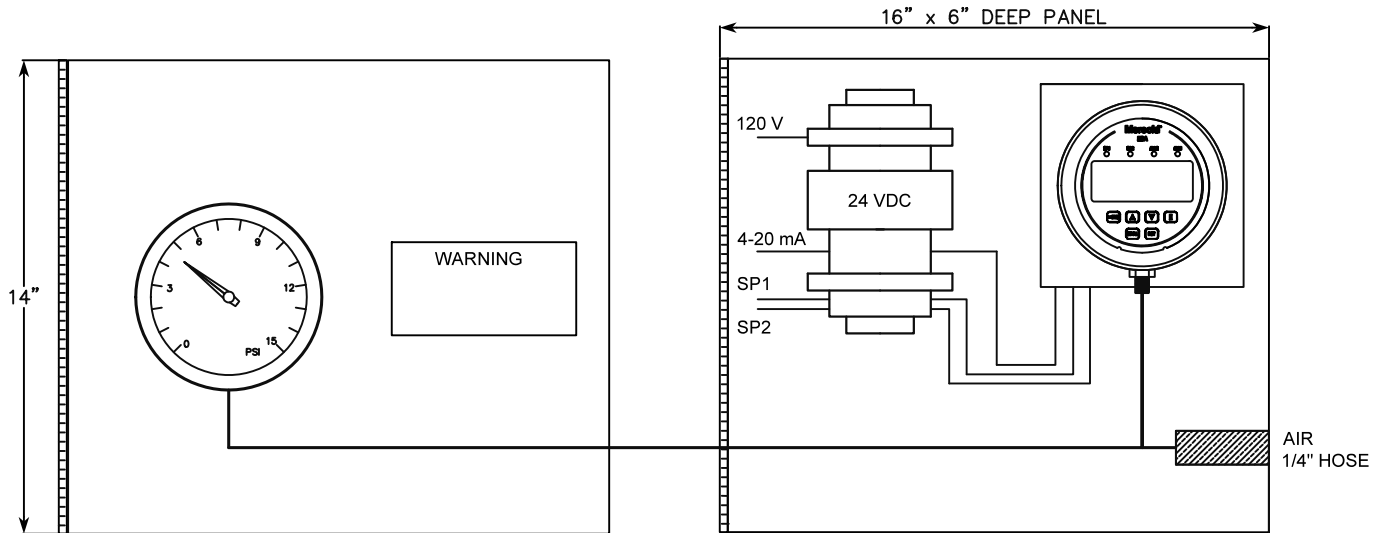
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PRESSURE SWITCH INTERFACE

MODEL - 1230-JB-015
SUPPLY - 120VAC, 1PH
LOAD - 1/2A FL
SERIAL NO. - 2912/ 6314-12
ENCLOSURE RATING - TYPE 12
DIAGRAM NUMBER - A-9652
ASSEMBLY - _____
SYSTEM - _____

Short Circuit
Current Rating 5KA

C101902



BACK MOUNTING PANEL

FEATURES : One Pressure Gauge - 4" Ø S / ST 316L, Range 0 - 15 psi (0 - 100 KPa)
Two Pressure Limit Switches - Range 0-20 psi (MERCROID EDAW-N1E1-02T1)
Single Pole, Double Throw (S.P.D.T) with adjustable Deadband 5A @ 120/240 VAC 50/60 Hz, 1A @ 28 VDC rating each.
Panel Box - 14 GA. with Hinged Door.
Time Delays & Control Relays or P.L.C. Supplied by others.
Indicator Lights with Terminals optional.
Blowline pressure connection 1/4" N.P.T. max. to Blower. (Input 0 - 10 psi)
Mount level on a Vibration Free Surface

Mount 5' from blower (Up to max 50'), installation closer to blower (i.e. shorter 1/4" hose) improves response time as compression/ decompression of air inside 1/4" tube delays reaction time.

NOTE: Installation of these panels requires the two pressure switches be wired into the control circuits of the blower motor and material infeed motor.
These switches are normally closed and open with pressure rise.
Switches are supplied SP.D.T. (N.C. or N.O.)
As material is fed into the line, pressure will rise to the system's max. operating design point. The switch controlling the material infeed will open and stop the flow of the material.
To automatically restart the infeed, the pressure must drop to a set point 1 psi above system free running pressure. If pressure continues to rise after stopping the material infeed, the blower switch will open, shutting the entire system down, requiring investigation and a manual restart.

⚠ WARNING: Blower Pressure Switch resets itself once pressure drops to it's reset point, but Blower should NOT restart automatically.

For wiring see A-9652