

Differential Pressure Controller

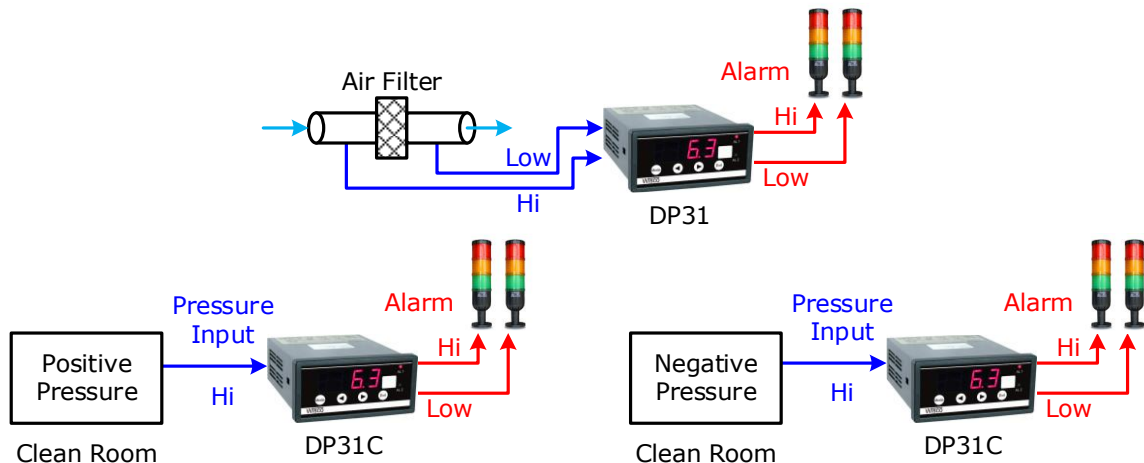
DP31 / DP31C



- 4 Digits Display
- Dust Filter Monitoring and Control
- ยึดอายุของกรองฝุ่น
- HVAC Monitoring
- 2 Alarm Relay

Differential Pressure Controller DP31 This device displays differential pressure readings as a 4 digit digital value. It features two independent alarm settings, each configurable as either a High Alarm or a Low Alarm.

The DP31 can be used to control the Jet Pulse operation of a dust filtration system, activating it only when the filters begin to clog; this extends the service life of the dust filter bags and conserves the compressed air used for the Jet Pulse mechanism. Alternatively, the DP31C model can be used to monitor differential pressure in cleanrooms.



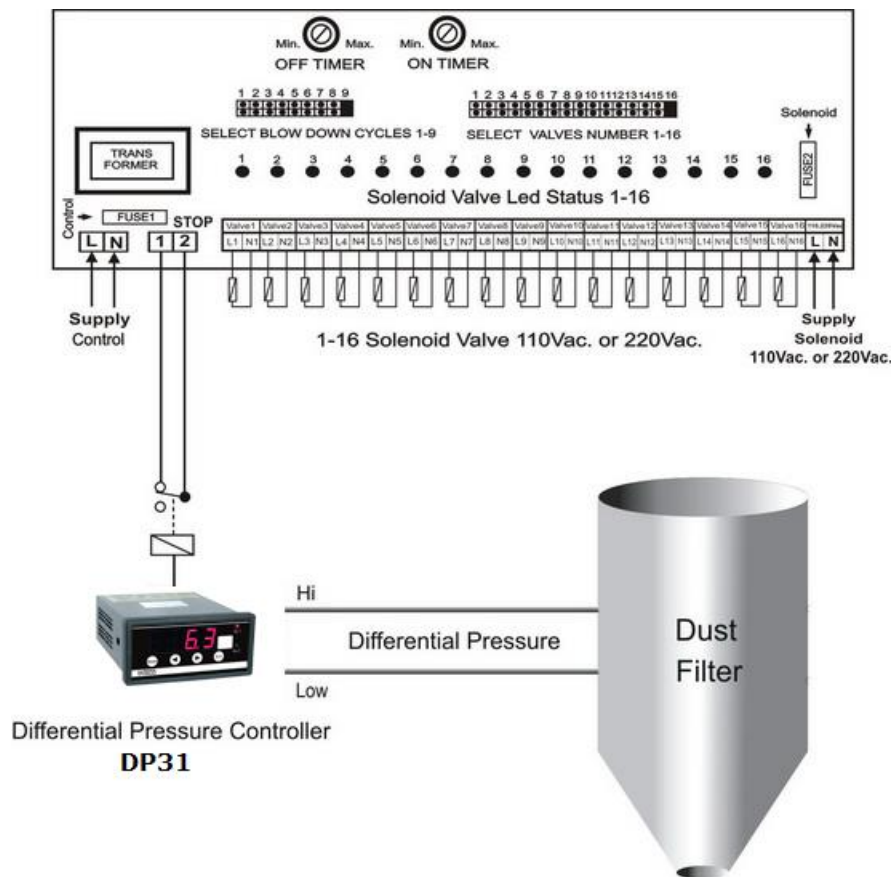
Specifications	DP31	DP31 C (Clean Room)
Monitor		
Display:	4 Digits, 14.2 mm. (7-Segment)	4 Digits, 14.2 mm. (7-Segment)
Display Color:	Red (std)	
Pressure Input		
Number of Channel:	1 Channel	
Input Type:	Differential Pressure	
Input Range:	0 to 1 Inch.H ₂ O, 0 to 10 Inch.H ₂ O, 0 to 1 Bar	0 to 125 Pa, 0 to 250 Pa
Accuracy:	± 1 Least Significant Digit	
Analog Output (Optional for Model DP31C)		
Number of Channel:	N/A	1 Channel
Output Type:		Specify When Order
		Current: 4 to 20 mA (Max. 1000 Ω)
		Voltage: 0 to 10 VDC (Min. 1000 Ω)
Relay Output		
Number of Channel:	2 Channels (Alarm)	
Relay Type:	N.O	
Contact Rating:	6 A @ 250 VAC, 6 A @ 30 VDC	
Power Requirements		
Power Supply:	85 to 230 VAC (12 to 35 VDC Optional)	
Environmental Limits		
Operating Temperature:	0 to 55 °C	
Operating Humidity:	5 to 95% RH	
Storage Temperature:	0 to 70 °C	
Physical Characteristics		
Dimension:	W96 x H48 x D120 mm.	
Panel Cutout:	W90 x H40 mm.	
Mounting:	Panel Flush Mounting	
Wiring:	Screw Terminals	
Warranty		
Warranty Period:	5 Year	

Ordering Information: Specify Model, Input, Output (for DP31C), Power Supply

Example DP31C/0-125Pa/4-20mA/220VAC

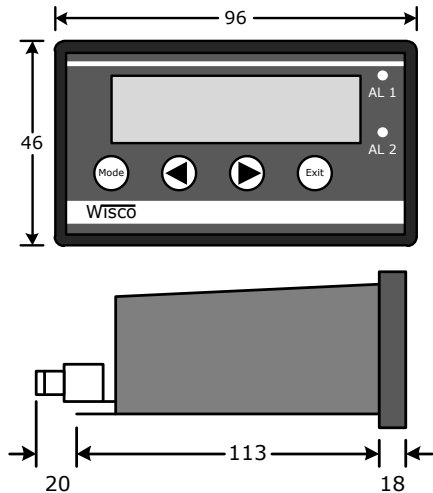
Package Checklist

1. DP31

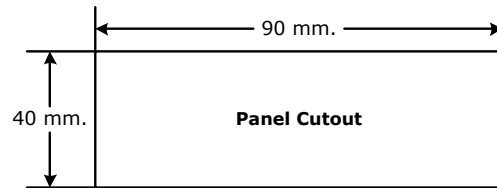


Example of connection with Jet Pulse JP16.

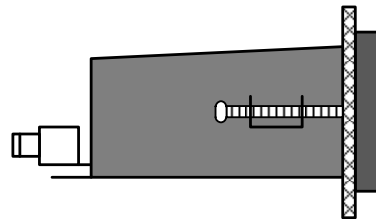
Dimensions (Unit: mm.)



Panel Cutout

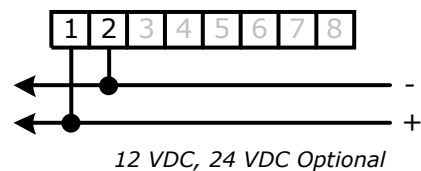
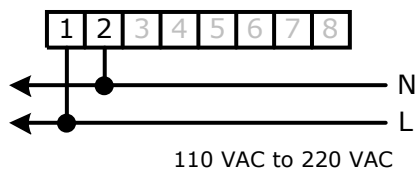


Installation

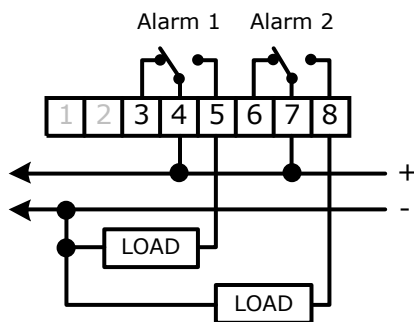


Wiring

Supply

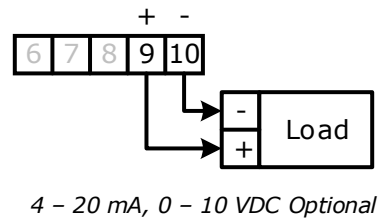


Alarm



Analog Output

*Optional for DP31C



Pressure Input

