



Pressure Controller

Model - 825 / 826

Standard - 825 & with Modbus - 826

Save Energy | Enhance Safety

Syannlab Solutions Pvt. Ltd.

No. 698, 1st Floor, 5th Block, SMV Layout

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Multifunctional pressure controller with differential pressure or air flow controller for building automation systems, specifically designed to control laboratory air pressure, supply and exhaust air systems. The 825 pressure controllers are engineered for building automation in the HVAC/R industry. With the 825's built-in controller, you can control the constant pressure or flow of fans, VAV systems or dampers.

- Duct Pressure Controller
- Duct Pressure Transmitter
- Manual Zero Function
- Output Volts or Amps
- For Labs, Supply & Exhaust System
- Airflow Volume transmitter
- Selectable units
- Optional Modbus RTU (826)
- IP Rated Enclosure
- 220V 1 Ph. Power Supply



Operating Modes: Laboratory Air Pressure, Exhaust and Supply Duct Pressure
Range selection via menu

for Model 2500 : $\pm 100, 250, 500, 1000$ & 2500 Pa (+ or – values)

for Model 7500 : $\pm 100, 250, 500, 1000, 2500, 5000$ & 7500 Pa(+ or – values)

Multiple field selectable measurement units:

Volume flow: $m^3/s, m^3/h, cfm, l/s$

Velocity: $m/s, ft/min$

Pressure: Pa, inWC, mmWC, kPa, mbar, psi

Unique proportional output options:

Control output: Voltage - $0(2)-10V$ or current - $4-20mA$

Differential pressure: Voltage - $0(2)-10V$ or current- $4-20mA$

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Performance Accuracy (from applied pressure):

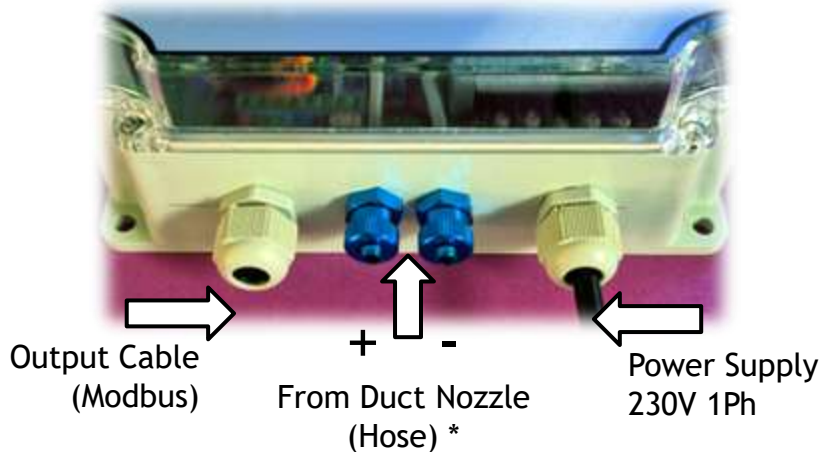
Pressure < 125 Pa = 1 % + ± 2 Pa & Pressure > 125 Pa = 1 % + ± 1 Pa

Overpressure: Proof pressure: 25 kPa Burst pressure: 30 kPa

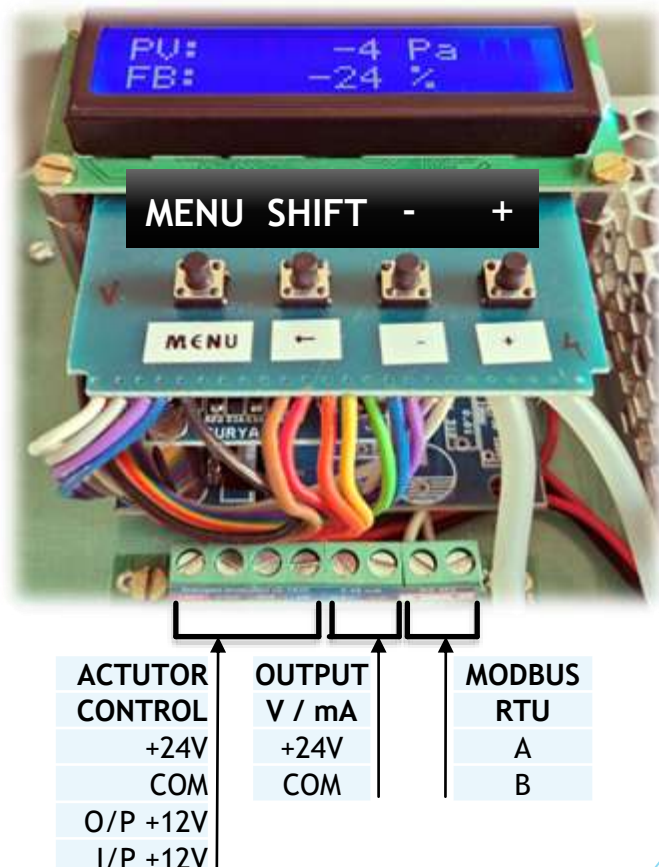
Zero-point calibration: Manual pushbutton

Response time: 1.0–20 s, selectable via menu

Outside dimension: 200 x 150 x 100mm`



* Always connect (+) to duct and leave (–) open



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825

ABCD

00

Model No

825 - Standard

826 - Modbus RTU

Pressure Rating

2500 = \pm 2500Pa

7500 = \pm 7500Pa

Configuration

00 - Standard

Model - 826

Modbus Address (Release : 01JAN25)

Sl No	Address	Functional Details	Type	Words
		Common		
1	0	Function - 1. Pressure 2. Flow	Read	1
2	1	Measurement Mode - 1. Lab 2. Exhaust 3. Supply	Read	1
3	2	Average Time, Seconds	Read	1
4	3	Response time, Seconds	Read	1
5	4	Control Output - 1. Volts 2.Amps	Read	1
6	5	Zero reset	Write	1
7		For Pressure Mode		
8	6	Current Pressure, Device Unit	Read	2
9	8	Pressure Set Point, Device Unit	Write	2
10	10	Pressure Range, Device Unit	Write	1
11	11	Pressure Unit, Device	Read	1
12		For Flow Mode		
13	12	Current Flow, Device Unit	Read	2
14	14	Flow Set Point, Device Unit	Write	2
15	16	Flow Unit, Device Unit	Read	1
16	17	Air Density, Kg/m ³	Read	2
17	19	K-Value, Positive Number Only	Write	1



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Please scan for real time working video.



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