

PEPR (PLACKA ELECTRO PNEUMATIC PROPORTIONAL REGULATOR)

Product Features



- Adopt 32-bits CPU, special closed-loop control algorithm to realize the rapid response and precise control effectively;
- Control precision is $\leq +0.5\%$;
- Adopt high-precision built-in pressure sensor to improve control precision effectively;
- Three-color digital display LCD, real-time display actual pressure and setting pressure simultaneously, convenient to confirm and adjust on site;
- Easy to change 4 pressure units(Mpa,Bar,Psi,Kpa)at any time;
- Self-diagnosis;
- Error indication failure alarm;
- 4-pins M12A standard (male) fieldbus connector;
- Easy assembling and operating;
- The built-in filter can be easily removed for cleaning or replacement;
- The valve body made by microdiecast technology;
- Large flow rate;
- Protection class IP65

HOW TO ORDER?

Series No.	Valve body size	Port size	Pressure range	Input Signal	Monitor Output	Port Size	Bracket	Cable Connector type
PAC:PAC Series Electro-Pneumatic proportional regulator	3000: 3000 Series 4000: 4000 Series	02:1/4" 03:3/8" 03:3/8" 04:1/2"	30: 0-0.5MPa/0-5bar/ 0-72psi/0-500KPa 50: 0-0.9Mpa/0-9bar/ 0-130psi/0-900KPa	0: 4-20mA 3: 0-10V 0: 4-20mA 3: 0-10V	1: 1-5V 4: 4-20mA 1: 1-5V 4: 4-20mA 1: 1-5V 2: 24V NPN 3: 24V PNP	Blank : G P : PT T : NPT	Blank : Without bracket B : Flat bracket C : L-bracket	Blank : Without cable connector L : right angle type 2m S : Straight type 2m

Order Example : PAC Series Electro-Pneumatic Proportional regulator, valve body 3000, port size 1/4", output pressure 0-0.9MPa, input signal 0-10V, Monitor output 1-5V, port size G, Flat bracket, straight type 2m, ERP code is: PAC3000-025031-BS.

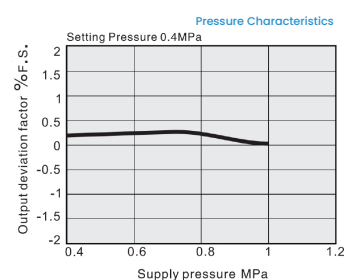
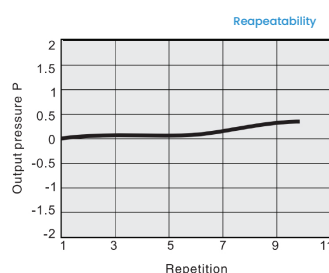
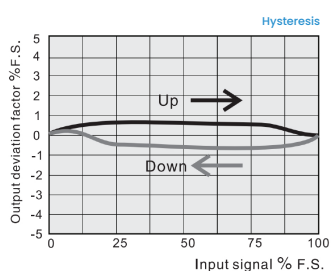
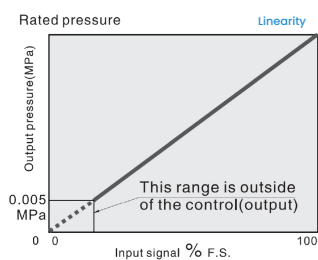
PAC SERIES ACCESSORIES ORDER CODE

Cable Connector Name	Order Code
4-pins M12A Standard Straight type 2m	M12R-PVC-2M
4-pins M12A Standard Right angle type 2m	M12RL-PVC-2M

Bracket Name	Order Code
Flat Bracket	FJ-ETV-FA
L-Bracket	FJ-ETV-LB

Note : Normal cable connector length is 2m, any other model need to be customized production, max length 10m.

CHARACTERISTIC PARAMETERS CURVE

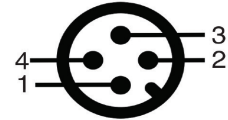


SPECIFICATIONS

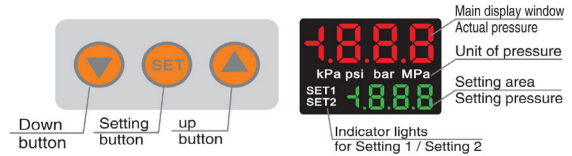
Model	PAV3000-02	PAV3000-03	PAV4000-03	PAV4000-04
Port size	G1/4	G3/8	G3/8	G1/2
Flow rate (Cv)	1.5	2.0	2.5	3
Pressure range	0-0.9MPa			
Input Signal	0-10 or 0-5 V or 4-20ma (sink)			
Monitor output	4-20mA (sink) /1-5			
Connection type	4-pins M12A standard			
Supply Voltage	DC24v+10%			
Enclosure	IP65 (DIN40050)			
Working Temperature	0-500 C			
Working medium	Clear air (After 5um filtration)			
LCD display	Set pressure and display at the same time			
Valve body	Aluminum alloy			
Installation position	Random direction			
Max input pressure	1.0pa			
Min input pressure	bigger than max output pressure by 0.1Mpa			
Accuracy	$\leq \pm 0.5$			
Linearity	$\leq \pm 1.0\%F.S$			
Repeatability	$\leq \pm 0.5\%F.S$			
Hysteresis	$\leq 0.5\%F.S.$			

WIRING

Definition		Electrical Connection
PIN Number	Cable Color	Analog input type
PIN1	Brown	+24VDC
PIN2	White	Positive pole of control singa
PIN3	Blue	Negative pole of power
PIN4	Black	Monitor Signal

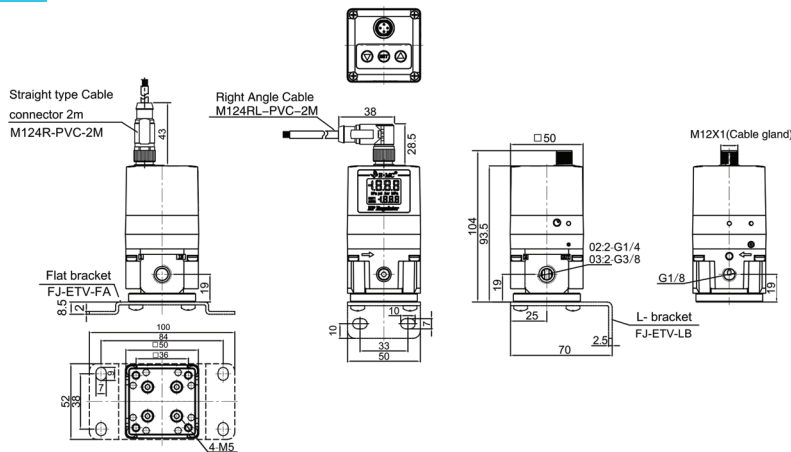


BUTTON & LCD SCREEN



MAIN DIMENSION

PAC3000



PAC4000

