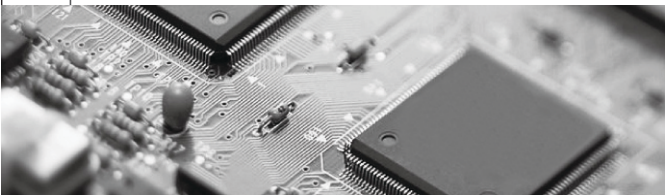


VPP Series

Proportional Pressure Controller Instructions



VPP Series



Technical Parameters

Power supply	24VDC $\pm$ 10%, <6W
Electric connect	4 Pin M12A code (male)
Protection standard for EN60529	IP65
Control signal	0~5/10V or 0/ 4~20mA or 4 points switch or manual
Monitor signal	4~20mA or 1~5V or 1 point switch output
LED indicator	pressure achieved indicator and real pressure indicator
Install position	Any plane
Enclosure	Aluminum
Ambient temperature	0~50°C
Cv	VPP-02/1.5, VPP-04/5.0
Min. input pressure	Over Max. output pressure 1bar
Max. input pressure	145 psi/[10bar] (For scale 0~1bar, Max. input 2bar)
Output scale	0~3bar, 0~9bar
Fluid	5 μ m filtered or less dry compress air or inert gas
Lubrication	No required, if use, a medium aniline point oil is recommended.
Accuracy	$\leq \pm 0.5\%$
Linearity	$\leq 1.0\%$ F.S.
Repeatability	$\leq \pm 0.5\%$ F.S.
Hysteresis	$\leq 0.5\%$ F.S.

Electric Connect



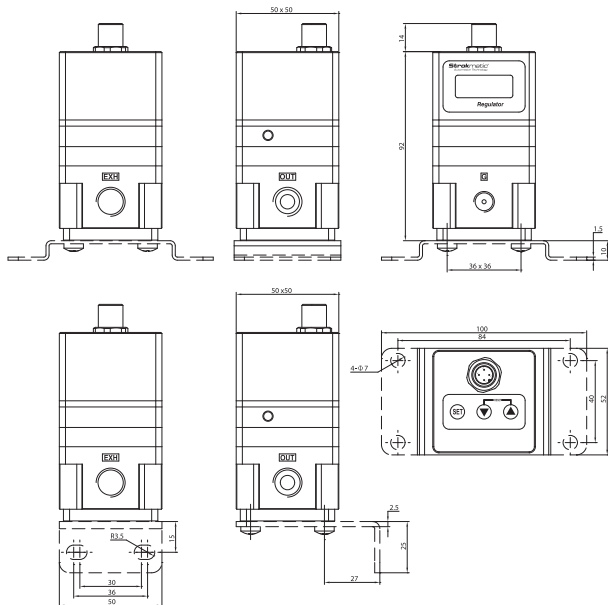
Description	Analogue Signal Type	4 Points Switch Signal Type
PIN1	+24VDC	+24VDC
PIN2	+Input Signal	Switch 1
PIN3	GND	GND
PIN4	+Monitor Signal	Switch 2

◇ To guarantee the electro-magnetic compatibility (EMC), the PPC body recommended connecting to the earth potential.

Cable Wiring

PPC 4 wires cable wiring as sheet.

Description	Analogue Signal Type	4 Points Switch Signal Type
Red/Brown	+24VDC	+24VDC
White	+Input Signal	Switch 1
Blue	Power GND	Power GND
Black	+Monitor Signal	Switch 2

 VPP - 02 Dimensions(mm)




How to order

VPP	02	9	M	-	C
Model	Port Size	Output Range	Command Signal		Connector
VPP: Proportional Pressure Valve	02: 1/4"G	3:0...3bar	M:4...20mA		N: Without Cable
	04: 1/2"G	9:0...9bar	A:0...10V		C: 3m 90° Cable

Accessory

Description	Order Code
4Pole 90° Connector	Q84M12-3MT
Horizontal Assembly Bracket	VPP-FO
Wall Assembly Bracket	VPP-LB



Horizontal Assembly Bracket



Wall Assembly Bracket

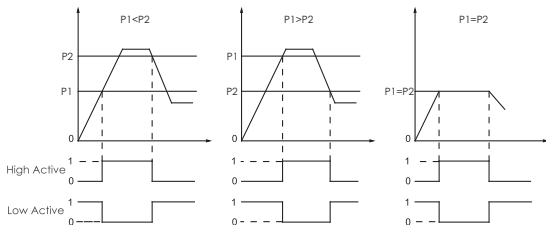


90° Cable

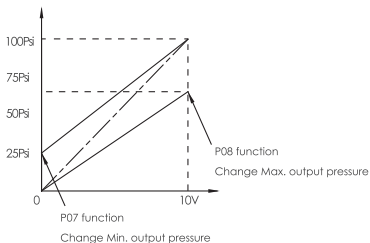
- ◇. In page 03, default setting is F1. If set to F3, the followed sheet must set in page 06.
For safety operation, recommend set P1=0.

	status			
Switch 1	0	1	0	1
Switch 2	0	0	1	1
Per-setting Pressure	P1	P2	P3	P4

- ◇. In page 04 and 05, there are 3 functions output by different 02, 04.



- ◇. Page 06 and 08



 Error

ERROR Code	Description
Err 1	Control signal over ranger.
Err 2	Can not achieve target.
Err 3	EEPROM read or write error.
Err 4	Flash read or write error.
Err 5	EEPROM & Flash all error.

- ◇. When changing LED more settings quickly, the "Err 3" maybe displayed. PPC will automatically cover this error. If the "Err3" continuously display after power ON, please contact STROKMATIC.
- ◇. When PPC displays "Err5", PPC will stop working.
- ◇. Voltage signal >10.5V @ 0~10V display "Err1".
- ◇. Voltage signal >5.5V @ 0~5V display "Err1".
- ◇. Current signal <3.5mA or >20.5mA @ 4~20mA display "Err1".
- ◇. Current signal >20.5mA @ 0~20mA display "Err1".
- ◇. When display "Err2", PPC will automatically stop working for 10s, then try again for 10s. Please check input pressure at "Err 2" status.

 Note

1. All rights reserved.
2. STROKMATIC'S interpretation shall prevail (in case are different interpretations regarding this document or product).

Touch panel using guide

1.Unlock keyboard

At any window, no press key for 1 min, automatically return to boot window(display real pressure). And no press for another 1 min, the keyboard will be locked. When the LED shows "LoC" means keyboard be locked. To press "SET" for 3s will unlock all keys.

Step	1	2
Press	any key	⏻ 3s
LED Display	LoC	0p
Description	Flash for 3 times	Flash for 3 times, unlock

2.How to setting

Example. Turn to P07 and set the Min. output pressure value

Step	1	2	3	4	5	6	7	8	9
Press	Boot window	⏻ 3S	⏻ or ⏻	⏻	⏻ or ⏻	⏻	⏻ or ⏻	⏻	
LED Display	0p	P 00	P 07	P 07	C000	C000	P 07	P 00	0p
Description	Boot	First page	Choose the page	Flash for 3 times	Set the value	Flash for 3 times	Turn to the first page	Back to the boot page	Finish setting

3. Function

Page No.	Next Display	Description
P 00	0p	Boot window
	u p	Set display unit to Psi
	U b	Set display unit to Bar
P 01	U a	Set display unit to Kpa
	U =	Set display unit to Mpa
P 02	d000	Set display decimal or integral
		F1:analog input signal 4~20mA;0~10V
P 03	f 1	F2:analog input signal 0~20mA;0~5V
		F3: 4 points switch signal input, per-set output pressure
P 04	1. 00	Switch signal monitor output set P1 pressure value
P 05	2. 00	Switch signal monitor output set P2 pressure value
P 06	1. 00	Set F3 function of page P03, per-set output pressure
P 07	C000	Min. output pressure setting
P 08	r 100	Scale range setting, Value duo to Unit
P 09	d 0.5	(Reserved)
P 10	5. 00	Manual set output pressure value(To set value to "0" before leave, else PPC will save and run at manual mode)
P 11	i. 00	Monitor input signal, "I"=current, "U"=voltage
P 12	LEd0	Change display Accuracy
P 13	nrEC	"rEC",Reset all setting, "nrEC" no reset