

Electropneumatic proportional regulator

HZRE series

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Display using guide

1. Unlock keyboard

Do not press any key for 1 min. Automatically the display returns to the boot window (showing real pressure). Do not press any key for another 1 min, the keyboard will be locked (LED shows "LoC").

Press "SET" for 3s to unlock all the keys.

2. How to set

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

Step	1	2
Press	Any key	 3s
LED Display	LoC	OP
Description	Flash for 3 times	Flash for 3 times, unlock

Step	1	2	3	4	5	6	7	8	9
Press	Boot window	 3S	 or 		 or 		 or 		
LED Display	OP	P 00	P 01	P 01	C 000	C 000	P 01	P 00	OP
Description	Boot	First page	Choose the page	Flash for 3 times	Set the value	Flash for 3 times	Turn to the boot page	Back to the boot page	Finish setting

3. Function

Display Page No.	Page options	Description
P 00	OP	Boot window
P 01	U P	Set display unit to Psi
	U b	Set display unit to Bar
	U o	Set display unit to Kpa
	U =	Set display unit to Mpa
P 02	d 000	Set display decimal or integral
P 03	F 1	Analog input signal 4 ~ 20 mA; 0 ~ 10 V
	F 2	Analog input signal 0 ~ 20 mA; 0 ~ 5 V
	F 3	Points switch signal input: set output pressure
P 04	l. 00	Switch signal monitor output: set P1 pressure value
P 05	2. 00	Switch signal monitor output: set P2 pressure value
P 06	l. 00	Set F3 function of page P03: output pressure
P 07	C 000	Min. output pressure setting
P 08	r 100	Max. output pressure
P 09	d 0.5	(Reserved)
P 10	S. 00	Manual setting of output pressure value
P 11	l. 00	Monitor input signal, "I" current, "U" voltage
P 12	LEd0	Change display Accuracy
P 13	rEC	"rEC" = reset all setting, "nrEC" = no reset

P03

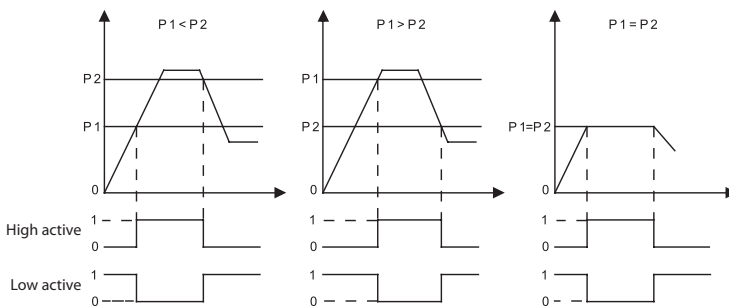
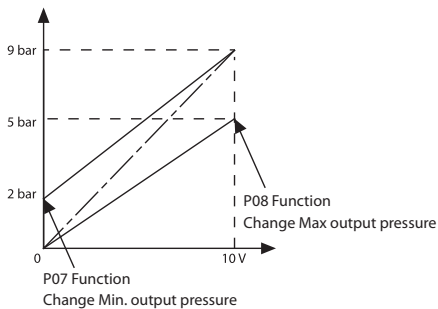
Default setting is F1. If F3 is set, the following sheet must set at P09.

For safety operation, $P1 = 0$ is recommended.

Status				
Switch 1	0	1	0	1
Switch 2	0	0	1	1
Pre-setting Pressure	P1	P2	P3	P4

P04-P05

Function output by different P1, P2.

**P07-P08****P12**

LED 0 displays real pressure value. LED 1 displays accuracy ± 1 psi.

Error

ERROR Code	Description	
Err 1	Control signal over range	- When changing LED and settings quickly, "Err 3" may be displayed. The unit will automatically cover this error.
Err 2	Target not achieved	- When "Err5" is displayed, the system will stop working.
Err 3	EEPROM read or write error	- Model 0-10V => When voltage signal is >10.5V, "Err1" is displayed.
Err 4	Flash read or write error	- Model 0-5V => When voltage signal is > 5.5V, "Err1" is displayed.
Err 5	EEPROM & Flash all error	- Model 4-20mA => When current signal is <3.5mA or >20.5mA, "Err1" is displayed.
		- Model 0-20mA => When current signal is >20.5mA, "Err1" is displayed.
		- When "Err2" is displayed, the unit will automatically stop working for 10s, then try again for 1s. Please check input pressure, if "Err 2" is displayed.