

PPV-A-PL1500 Series Positioner




Quick Operate Guide

Interface description

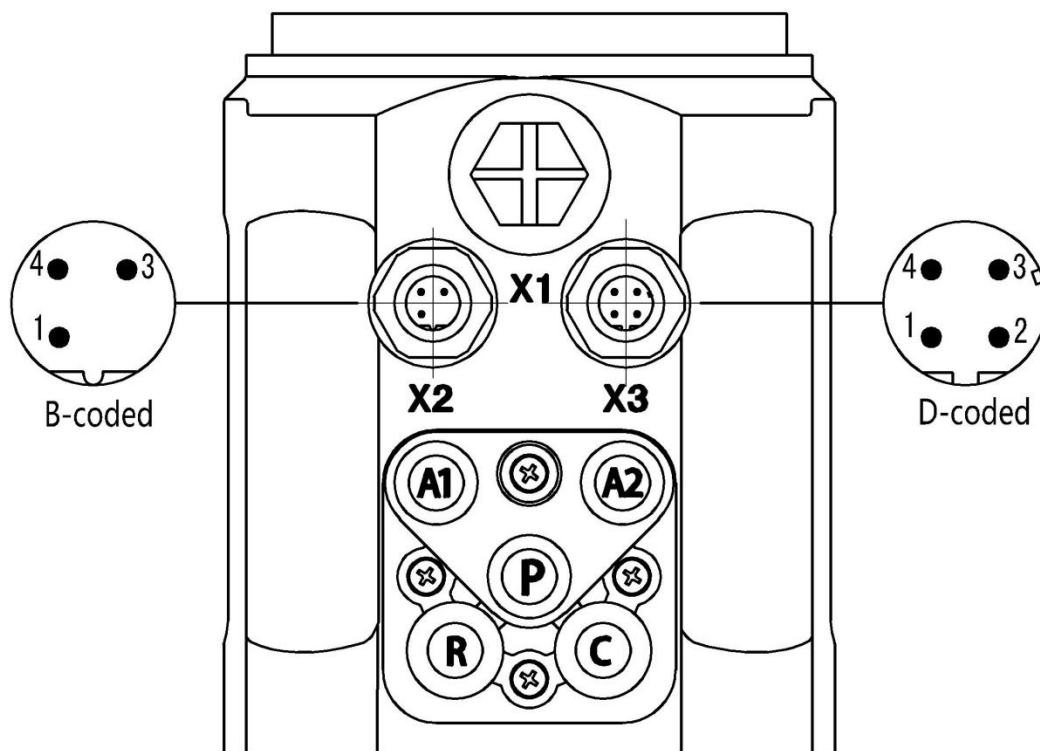
The positioner has a 4-key and 12-led control panel. User can set parameters and functions by pressing the four keys. 10 blue led lights are used to indicate the position percent zone of the displacement sensor or the position percent zone of the valve. They indicate the percent zones of 0-10%, 10-20%, 20-30%, 30-40%, 40-50%, 50-60%, 60-70%, 70-80%, 80-90%, 90-100%. The "MANUAL" led is used to indicate the operating mode. Led off indicates automatic mode. Led on indicates manual mode. Led flash indicates initial mode. "STATUS" led is used to indicate some system running states, such as system error alarms.



Quick setting

1. Combine the positioner with the actuator. Please refer to the PPV-A-PL1500 Series Positioner User's Manual Chapter 2 for details and precautions.
2. Connect the electrical connection and Pneumatic connection correctly.
3. Power up the positioner. Operate the   keys to open and close the valve in the initial mode. Check out and make sure that valve position can move in the range of the displacement sensor and the whole valve stroke range is in the range of the displacement sensor.
4. Press  key for about 3 seconds to start up the automatic adjustment function. Please refer to the PPV-A-PL1500 Series Positioner User's Manual Chapter 5, Section 5.3.1 for details and precautions.
5. Use 4-20mA signal to control the positioner for valve position adjustment.

Connection description



Connection	Pin	Description	Signal Type
X2	1	Analogue signal output +	4 – 20 mA
	3	Analogue signal output GND	GND
	4	NC	NULL

Remark: X2 is optional function

Connection	Pin	Description	Signal Type
X3	1	Power supply +	+24 V
	2	Power supply GND	GND
	3	Set signal input +	4 – 20 mA
	4	Set signal input GND	GND

NOTE!

Error connection of the electrical pin may cause the positioner damage.

Connection	Description
P	Air supply enter (built-in filter, filter size 5 µm)
R	Air exhaust
C	Check valve
A1	Pilot air outlet

NOTE!

The air source pressure bigger than 7 bar may cause positioner damage.