

ML8824 Series Linear Electric Valve Actuator

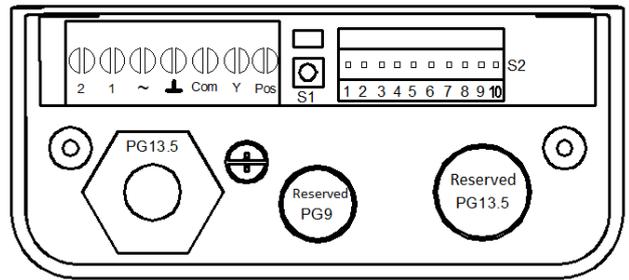
INSTALLATION INSTRUCTIONS:

<p>>100mm</p>		
<p>A1-A6: Installation</p>	<p>A1</p>	<p>A2</p>
<p>A3</p>	<p>A4</p> <p>Instructions:</p> <ol style="list-style-type: none"> 1. Floating control (when dip switch S2-8 is set to ON) 2. Input signal is invalid when using floating control. 	

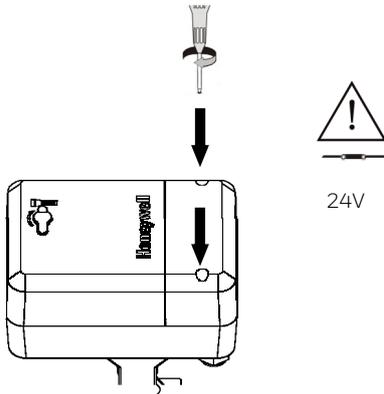
A5: Self-Adaption Mode

Power-on self-adaption: The actuator will directly enter into self-adaption mode after being powered up. Meanwhile, the yellow indicator on PCB blinks (1Hz) and the actuator will be automatically full off (traveling to the bottom) and then full on (traveling to the top). When the indicator stops blinking, it means that the process is completed. Afterwards, the actuator will travel to the designated position of control signal.

Manual self-adaption: Press and hold button S1 on PCB for more than 5s (See Fig. 1) until the indicator starts blinking (1Hz) to enter into self-adaption mode. The phenomenon will be the same as power-on self-adaption.



A6

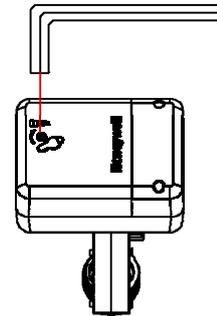


B:Manual

Clockwise



Anticlockwise



DIP Switch Setting

DIP	Function	Function Description of Setting Value	
S2-1	Setting of control/feedback signal	ON	20%: The control/feedback signal is 4~20mA or 2~10VDC
		OFF	0: The control/feedback signal is 0~20mA or 0~10VDC (factory default)
S2-2	Setting of control signal type	ON	II: The control signal is current type.
		OFF	UI: The control signal is voltage type. (factory default)
S2-3	Setting of control signal input impedance	ON	UI: The control signal is voltage type. (factory default)
		OFF	II: The control signal is current type.
S2-4	Setting of valve position feedback signal type	ON	IO: The valve position feedback signal is current type.
		OFF	UO: The valve position feedback signal is voltage type. (factory default)
S2-5	Setting of operating mode	ON	DA: When control signal increases, actuator moves downward. When control signal decreases, actuator moves upward.
		OFF	RA: When the control signal increases, the actuator moves upward. When control signal decreases, the actuator moves downward. (factory default)
S2-6	Setting of signal interruption mode	ON	DW: When the control signal type is set as voltage or current, the actuator will automatically provide a minimum control signal if the signal cable is cut. (factory default)
		OFF	UP: 1) When the control signal type is set as voltage, the actuator will automatically provide a maximum control signal if the signal cable is cut. 2) When the control signal is set as current, actuator will automatically provide a minimal signal when the signal cable is cut.
S2-7	Setting of self-adaption mode	ON	DF: In power-on self-adaption mode. (factory default)
		OFF	RF: In manual self-adaption mode.
S2-8	Setting of control mode	ON	Floating control.
		OFF	Modulating control. (factory default)
S2-9	Reserved		
S2-10	Speed setting	ON	High speed: 600N - 3s/mm, 1800N - 2s/mm.
		OFF	Low speed: 600N - 4s/mm, 1800N - 3s/mm.(factory default)

NFC functionality and parameter settings

Parameters can be set via the supporting app using the NFC function. On the settings interface, select the "Advanced Settings" option to configure the maximum opening, dead zones and sensitivity. After configuring the settings, move your device close to the actuator to upload the set parameters. A prompt will be displayed in the app indicating that the settings have been uploaded. Return to the parameter settings interface and move your device close to the actuator to view the configured parameters.

Parameter	Set range or options
Language	Chinese, English, Auto
Valve series	V5GV, V5011P, V5013P, V5211F
Dead zone	1.0–10.0
Sensitivity	0.5–10.0
Maximum opening	30%–100%

NOTE:

1. To ensure the physical security of the device, it can only be accessed by authorized personnel.
2. Ensure the secure installation, deployment and operation and maintenance management of the device.
3. Models with NFC configuration functionality must be used in conjunction with the dedicated app provided by Honeywell.
4. Install the app on a dedicated phone, ensuring that it has not been jailbroken or that the firmware has not been replaced. Regularly scan the phone for viruses and check the app permissions.
5. If a fault occurs during use of the app, please report the error code to Honeywell.
6. If you find a vulnerability in the security system, please contact <https://www.honeywell.com/en-us/product-security>