

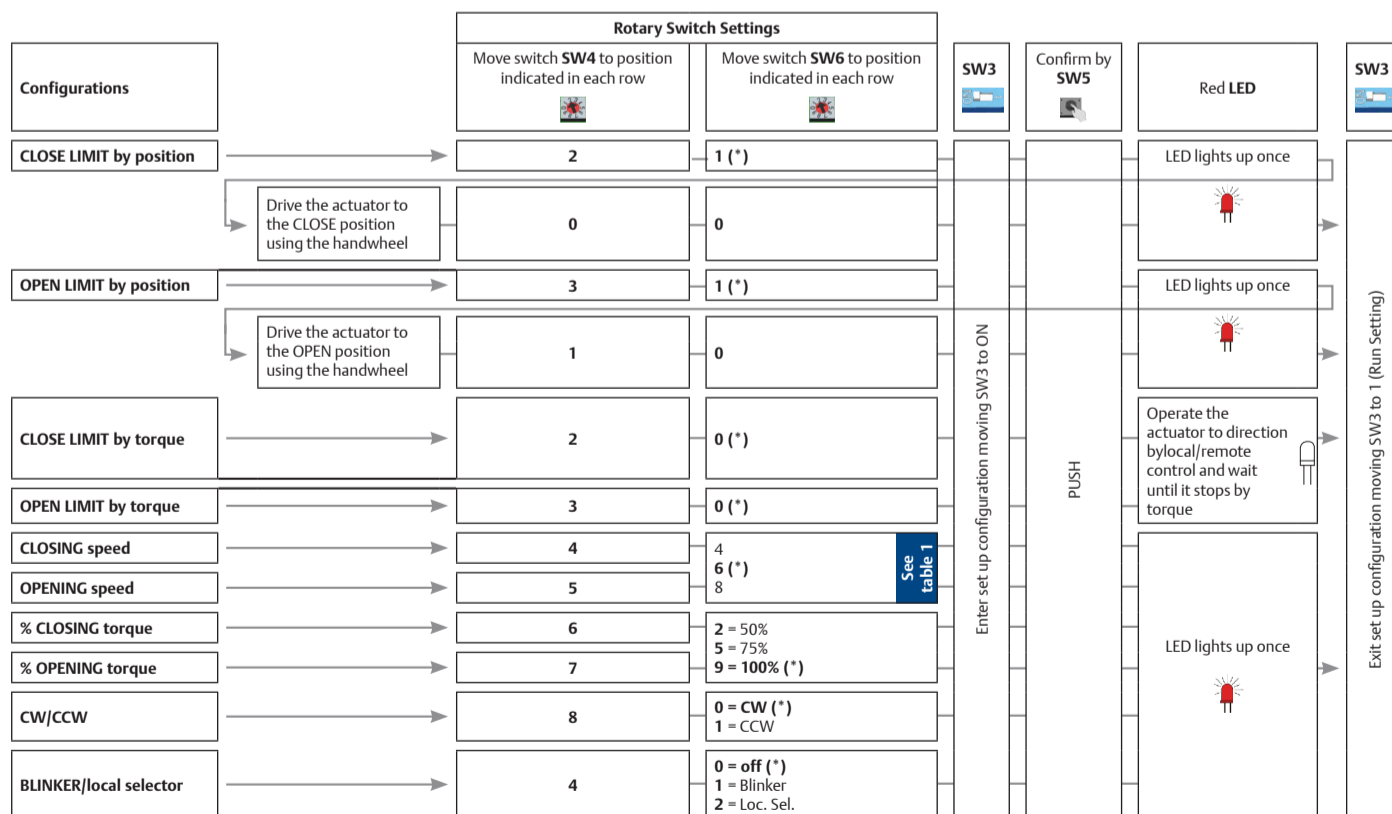
F02/EPI2 Quarter-Turn Electric Actuator

Base and OM1 Card



Base Card

F02/EPI2 Quarter-Turn Electric Actuator



Note:
(*) Factory

PRE-INSTALLATION: See VCIOM-2881 INSTALLATION AND MAINTENANCE INSTRUCTIONS. Not performing the following procedures will invalidate the product warranty.

INSTALLATION: To assemble the actuator onto the valve proceed as follows:

- Verify proper mounting hardware.
- Verify proper electrical service to the actuator
- Lubricate the valve stem with oil or grease to make the assembly easier; pay attention not to contaminate with lubricant the flange surfaces which transmit the actuator torque.
- Clean the valve flange and remove anything that might prevent a perfect adherence to the actuator flange and especially all traces of grease.
- Install the actuator onto the valve so that the shaft out put drive enters the groove of the stem extension. This coupling must take place without forcing and only with the weight of the actuator.
- Ensure actuator and valve are in same orientation when bolting together.
- With the handwheel, operate the actuator to verify it moves the valve smoothly.

WARNING

The configuration must be done while the actuator is powered on. As a consequence, all configuration operations must be carried out by specifically qualified personnel for operations on powered electronic cards. Hazardous voltages may be present. Before connecting power to the actuator, check that the voltages are correct and according to the nameplate data. Improper power supply will cause permanent damage to the electrical components. Actuator configuration programming requires removal of the actuator cover. Refer to VCIOM-2881 IOM for instructions.

Figure 1 Model 063-125

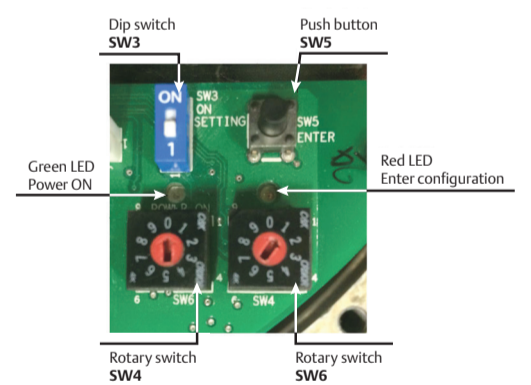


Figure 2 Model 250-500-1000-2000

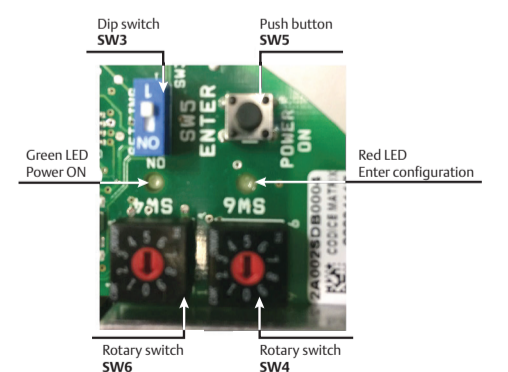


Table 1.

Model	Nominal torque (Nm/lb.in.)	Operating time (secs 90°) at selected step		
		8	6	4
063	63/600	15	28	48
125	125/1300	15	28	48
250	250/2500	15	28	48
500	500/5100	15	28	48
1000	1000/9100	24	45	80
2000	2000/17700	53	100	180

OM1 Card

F02/EPI2 Quarter-Turn Electric Actuator

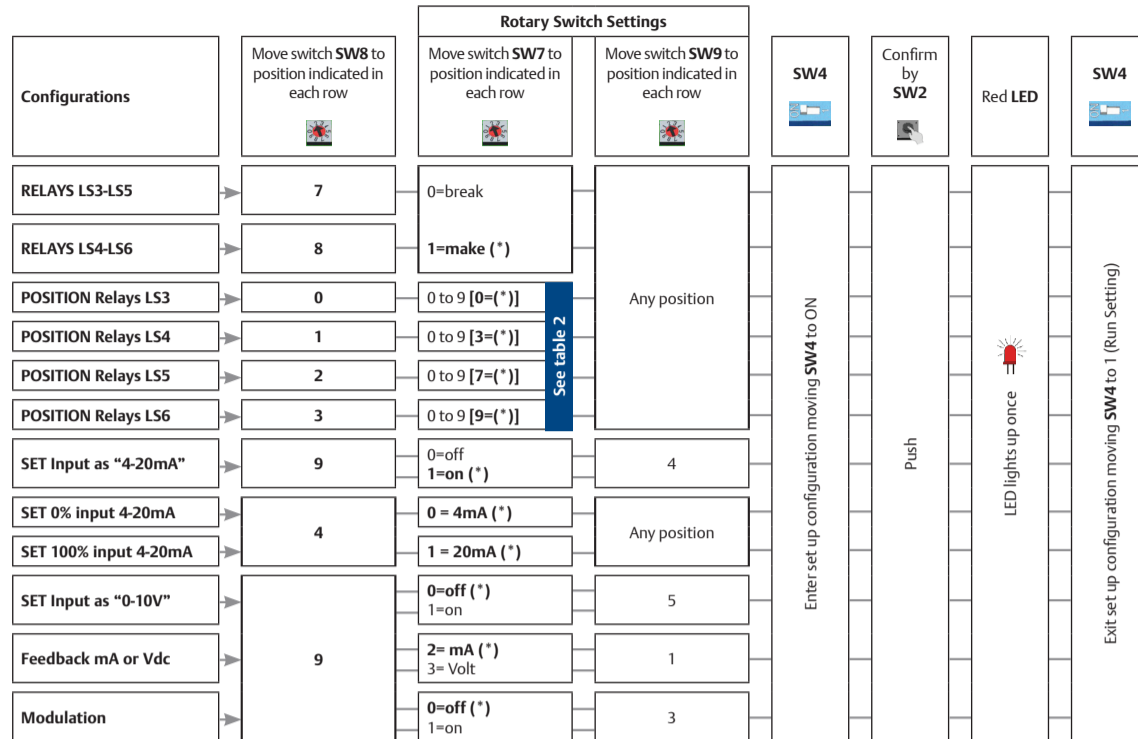


Table 2.

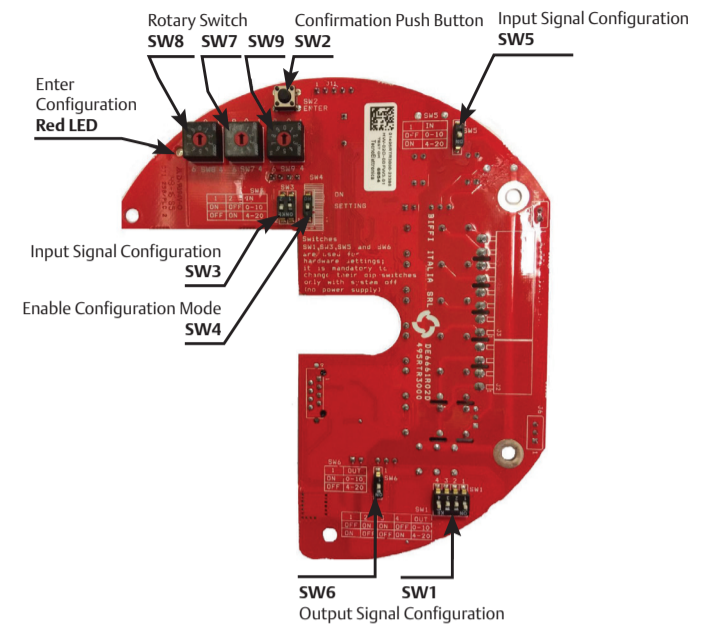
SW7	Position Relays	0	1	2	3	4	5	6	7	8	9
Description		Inactive	2%	12,50%	25%	37,50%	50%	62,50%	75%	87,50%	99%

Note:
(*) Factory default data

PRE-INSTALLATION: See the BASE CARD procedure.
INSTALLATION: See the BASE CARD procedures.

WARNING
For complete Instruction & Warning see the VCIOM-01494 INSTALLATION AND MAINTENANCE INSTRUCTIONS. **HARDWARE** configuration MUST be done with system OFF (NO power supply). SW3 and SW5 position in order to set the INPUT signal type.
HARDWARE configuration (SW1/3/5/6): This configuration is an Hardware setting; it's mandatory to do it with power off (NO POWER SUPPLY)

Figure 3



Hardware Configuration						
Input Signal						
		SW3		SW5		
		1	2	1		
0-10V		ON	OFF	OFF		
4-20mA		OFF	ON	ON		
Output Signal						
		SW1			SW6	
		1	2	3	4	1
0-10V		OFF	ON	ON	OFF	ON
4-20mA		ON	OFF	OFF	ON	OFF

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