

FlowCon FN Actuators

FlowCon Electrical Actuators



SPECIFICATIONS

FlowCon FN.0.2

Supply voltage:	24V AC/DC $\pm 10\%$, 50/60 Hz
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	5VA
Control signal:	Analog 0(2)-10V DC
Feedback:	Yes, 0(2)-10V DC
Failsafe function:	No
Autostroke:	Optional
Operation time:	50 Hz: 18.5 sec/mm
Actuating force:	High
Ambient temperature:	-0.4°F to +122°F
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 4 wires 22 AWG halogen free cable, 3.28 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

SPECIFICATIONS (...continued)

FlowCon FN.0.3

Supply voltage:	110/230V AC $\pm 10\%$, 50/60 Hz
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	5VA
Control signal:	Digital (2-position / 3-point-floating)
Feedback:	No
Failsafe function:	No
Operation time:	50 Hz: 18.5 sec/mm
Actuating force:	High
Ambient temperature:	-0.4°F to +122°F
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 3 wires 22 AWG halogen free cable, 3.28 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

FlowCon FN.0.4

Supply voltage:	24V AC/DC $\pm 10\%$, 50/60 Hz
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	5VA
Control signal:	Digital (2-position / 3-point-floating)
Feedback:	No
Failsafe function:	No
Operation time:	50 Hz: 18.5 sec/mm
Actuating force:	High
Ambient temperature:	-0.4°F to +122°F
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 3 wires 22 AWG halogen free cable, 3.28 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

FlowCon FN.1.2

Supply voltage:	24V AC/DC $\pm 10\%$, 50/60 Hz
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	6VA, 10VA peaks
Control signal:	Analog 0(2)-10V DC
Feedback:	Yes, 0(2)-10V DC
Failsafe function:	Yes, optional open or close
Autostroke:	Optional
Operation time:	50 Hz: 19 sec/mm
Actuating force:	High
Ambient temperature:	-0.4°F to +122°F
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 4 wires 22 AWG halogen free cable, 3.28 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

FlowCon FN.1.4

Supply voltage:	24V AC/DC $\pm 10\%$, 50/60 Hz
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	6VA, 10VA peaks
Control signal:	Digital (2-position / 3-point-floating)
Feedback:	No
Failsafe function:	Yes, optional open or close
Operation time:	50 Hz: 18.5 sec/mm
Actuating force:	High
Ambient temperature:	-0.4°F to +122°F
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 4 wires 22 AWG halogen free cable, 3.28 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

SPECIFICATIONS (...continued)

FlowCon FN.5.2

Supply voltage:	24V AC/DC $\pm 10\%$, 50/60 Hz
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	5VA
Feedback:	Yes, 0(2)-10V DC
Position output:	0(2)-10V DC
Failsafe function:	No
Autostroke:	Optional
Operation time:	50 Hz: 18.5 sec/mm
Actuating force:	Low
Ambient temperature:	-0.4°F to +122°F
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 4 wires 22 AWG halogen free cable, 3.28 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

FlowCon FN.5.4

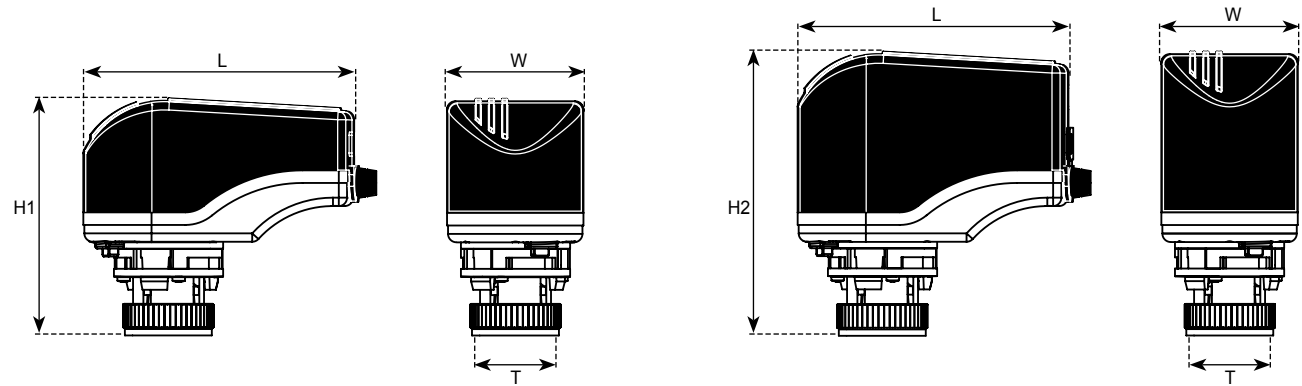
Supply voltage:	24V AC/DC $\pm 10\%$, 50/60 Hz
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	5VA
Control signal:	Digital (2-position / 3-point-floating)
Feedback:	No
Failsafe function:	No
Autostroke:	Optional
Operation time:	50 Hz: 18.5 sec/mm
Actuating force:	Low
Ambient temperature:	-0.4°F to +122°F
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 3 wires 22 AWG halogen free cable, 3.28 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

FlowCon FN.6.2

Supply voltage:	24V AC/DC $\pm 10\%$, 50/60 Hz
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	6VA, 10VA peaks
Control signal:	Analog 0(2)-10V DC
Feedback:	Yes, 0(2)-10V DC
Failsafe function:	Yes, optional open or close
Autostroke:	Optional
Operation time:	50 Hz: 19 sec/mm
Actuating force:	Low
Ambient temperature:	-0.4°F to +122°F
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 4 wires 22 AWG halogen free cable, 3.28 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

DIMENSIONS AND WEIGHTS (NOMINAL) (measured in inch unless noted)

Actuator	L	W	H1	H2	T	Weight (lbs.)
FN.0.X	4.10	2.00	3.62	-	M30x1.5	0.55
FN.1.X			-	4.21		0.66
FN.5.X			3.62	-		0.55
FN.6.2			-	4.21		0.66



FlowCon FN.0.X and FN.5.X

FlowCon FN.1.X and FN.6.2

MODEL NUMBER SELECTION

Insert actuating force and failsafe function:

- 0**=High (no failsafe)
- 1**=High and failsafe
- 5**=Low (no failsafe)
- 6**=Low and failsafe

Insert control mode:

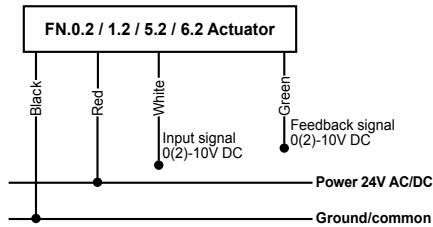
- 2**=24V modulating
- 3**=110/230V digital (only available in high actuating force version and without failsafe - **first digit=0**)
- 4**=24V digital (**first digit=0, 1 or 5**)

Example: FN.0.2=FlowCon FN actuator 24V modulating, high actuating force without failsafe function.

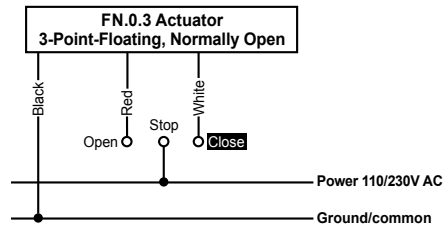
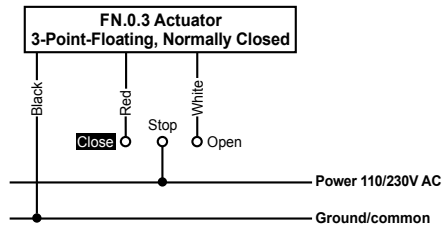
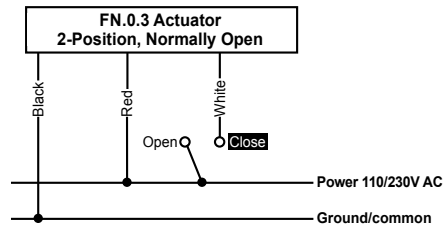
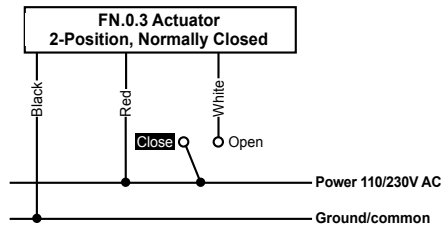
FN . . .

WIRING INSTRUCTION

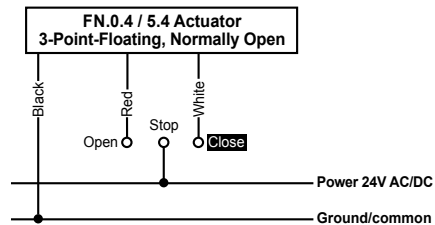
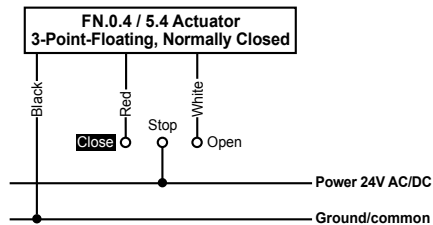
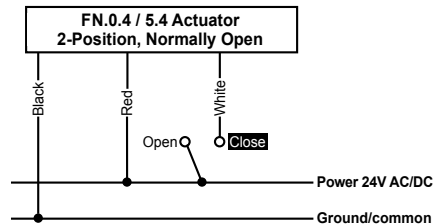
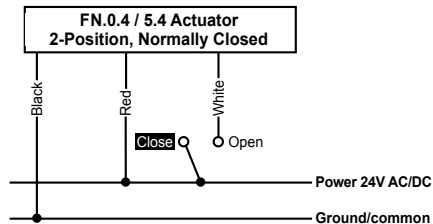
Type FN.0.2
Type FN.1.2
Type FN.5.2
Type FN.6.2



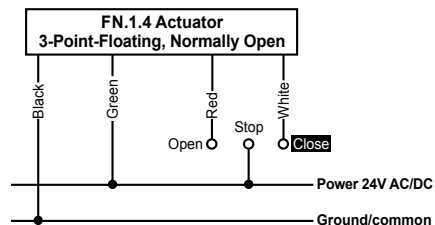
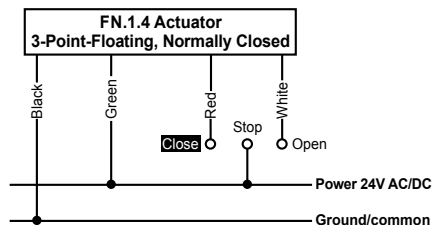
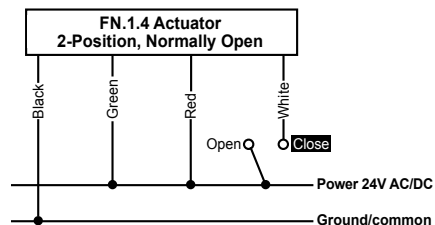
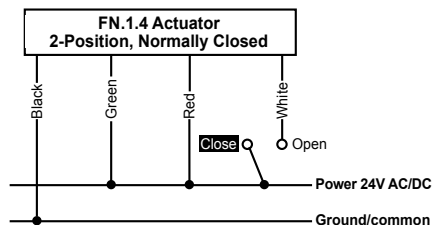
Type FN.0.3



Type FN.0.4
Type FN.5.4



Type FN.1.4



UPDATES

For latest updates please see www.flowcon.com

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