

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:	-18°C to +50°C
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 4 wires 22 AWG halogen free cable, 1 meter
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:	-18°C to +50°C
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 3 wires 22 AWG halogen free cable, 1 meter
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:	-18°C to +50°C
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 3 wires 22 AWG halogen free cable, 1 meter
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:	-18°C to +50°C
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 4 wires 22 AWG halogen free cable, 1 meter
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:	-18°C to +50°C
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 4 wires 22 AWG halogen free cable, 1 meter
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
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:	Low
Ambient temperature:	-18°C to +50°C
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 4 wires 22 AWG halogen free cable, 1 meter
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

FlowCon FN.5.4

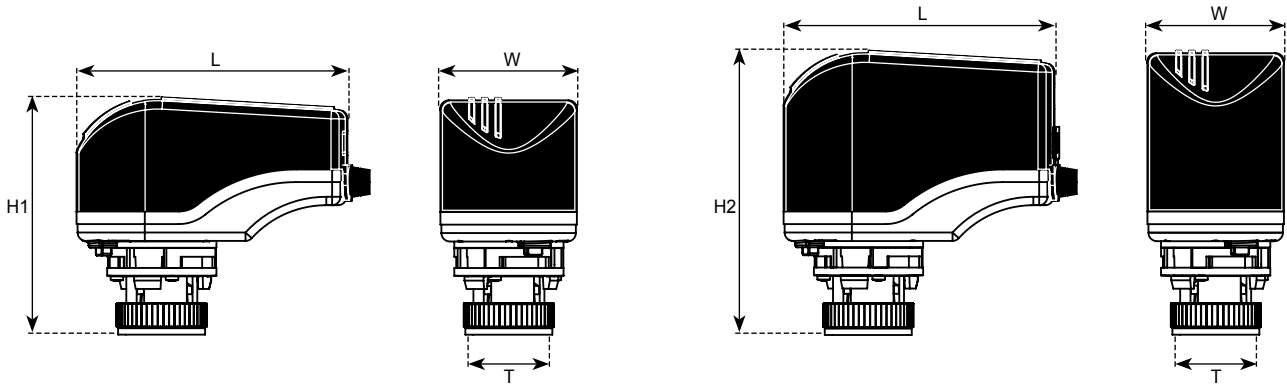
Supply voltage:	24V AC/DC $\pm 10\%$, 50/60 Hz
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	5VA
Control signal:	Digital (2-position / 3-point-floating)
Feedback:	No
Failsafe function:	No
Autostroke:	Optional
Operation time:	50 Hz: 18.5 sec/mm
Actuating force:	Low
Ambient temperature:	-18°C to +50°C
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 3 wires 22 AWG halogen free cable, 1 meter
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:	-18°C to +50°C
Humidity rating:	<95% no condensation
Protection:	IP54, class II
Cable:	Fixed, 4 wires 22 AWG halogen free cable, 1 meter
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

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

Actuator	L	W	H1	H2	T	Weight (kgs.)
FN.0.X	104	51	92	-	M30x1.5	0.25
FN.1.X			-	107		0.30
FN.5.X			92	-		0.25
FN.6.2			-	107		0.30



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

FlowCon FN.1.X and FN.6.2

MODEL NUMBER SELECTION

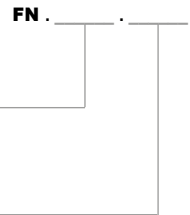
Insert actuating force and failsafe function:

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

Insert control mode:

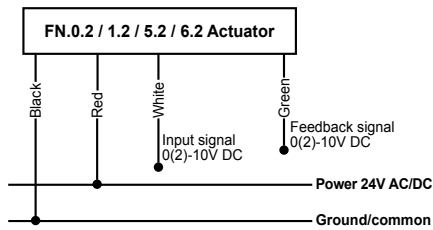
- 2**=24V modulating
- 3**=110/230V digital (only available in high actuating force version and without failsafe - **first digit=0**)
- 4**=24V digital (**first digit=0, 1 or 5**)

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

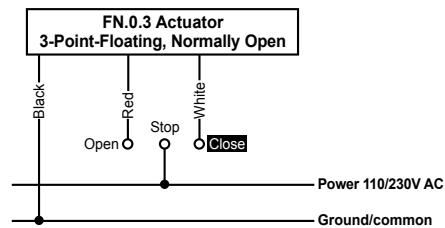
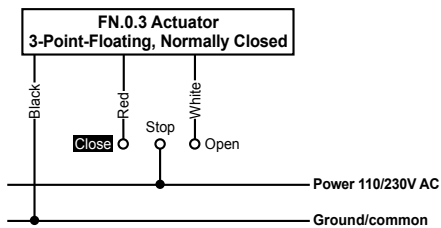
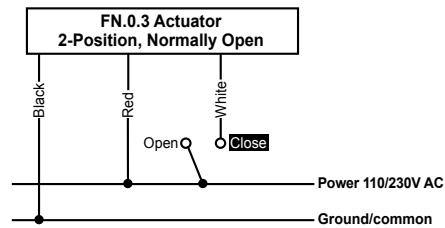
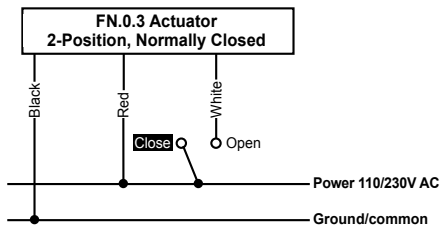


WIRING INSTRUCTION

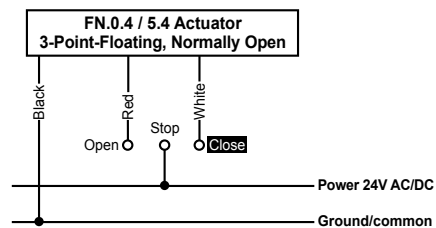
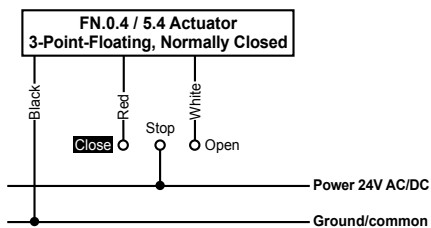
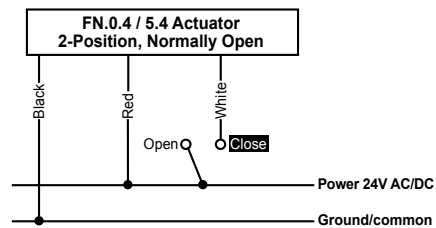
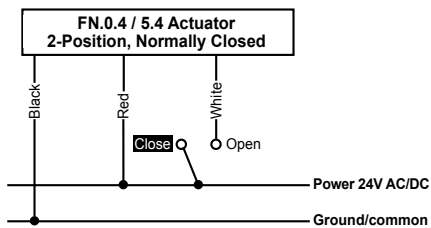
Type FN.0.2
Type FN.1.2
Type FN.5.2
Type FN.6.2



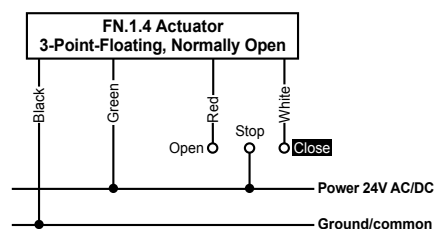
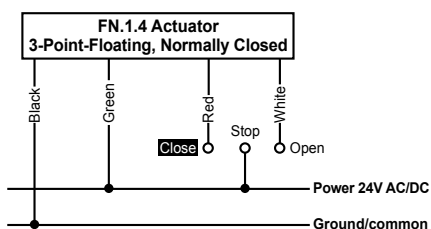
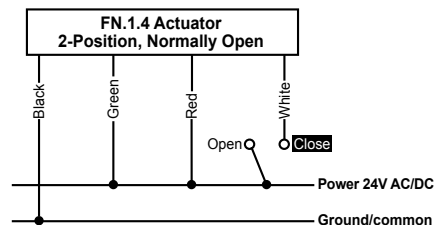
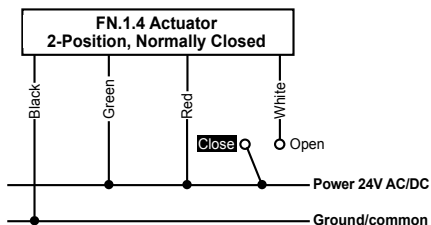
Type FN.0.3



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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