

FlowCon FNR Actuators

FlowCon Electrical Actuators



SPECIFICATIONS

FlowCon FNR.0.2

Supply voltage:	24V AC/DC $\pm 15\%$, 50/60 Hz
Type:	Electrical, bi-directional step motor
Power consumption:	24V AC: 1VA standby / 6VA operating / 6VA max. 24V DC: 0.5W standby / 4W operating / 4W max.
Inrush current:	1.8A (peak)
Control signal:	Analog 0-10V DC
Resolution:	1:100
Feedback:	No
Control mode:	Linear
Failsafe function:	Fail in place
Manual override:	Yes. 4 mm (~5/32") Allen Key
Position indicator:	Yes
Operation time:	5.5 sec/mm
Actuating force:	200N (-30N/+70N)
Stroke:	1-8.5 mm / 0.04-0.33 in (auto adjusting)
Ambient temperature:	0°C to +50°C / +32°F to +122°F
Media temperature:	0°C to +120°C / +32°F to +248°F
Humidity rating:	0..80% rH, no condensation
Protection:	IP54, class III, including upside-down, indoor use only
CE conformity:	EN 60730
Cable:	Fixed, 3 wires x 0.22 mm ² , 1.5 meter Fixed, 3 wires x AWG24, 4.9 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point and stroke length of the valve.

SPECIFICATIONS

FlowCon FNR.0.2-EQ

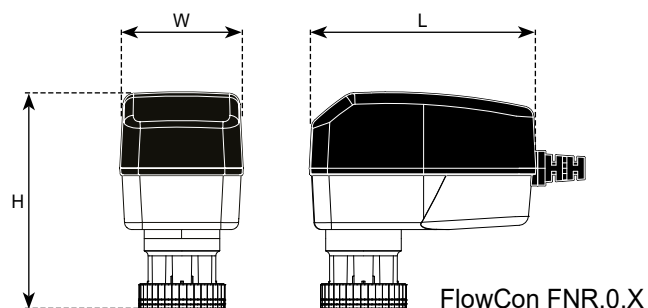
Supply voltage:	24V AC/DC $\pm 15\%$, 50/60 Hz
Type:	Electrical, bi-directional step motor
Power consumption:	24V AC: 1VA standby / 6VA operating / 6VA max. 24V DC: 0.5W standby / 4W operating / 4W max.
Inrush current:	1.8A (peak)
Control signal:	Analog 0-10V DC
Resolution:	1:100
Feedback:	No
Control mode:	Equal %
Failsafe function:	Fail in place
Manual override:	Yes. 4 mm (~5/32") Allen Key
Position indicator:	Yes
Operation time:	5.5 sec/mm
Actuating force:	200N (-30N/+70N)
Stroke:	1-8.5 mm / 0.04-0.33 in (auto adjusting)
Ambient temperature:	0°C to +50°C / +32°F to +122°F
Media temperature:	0°C to +120°C / +32°F to +248°F
Humidity rating:	0..80% rH, no condensation
Protection:	IP54, class III, including upside-down, indoor use only
CE conformity:	EN 60730
Cable:	Fixed, 3 wires x 0.22 mm ² , 1.5 meter Fixed, 3 wires x AWG24, 4.9 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point and stroke length of the valve.

FlowCon FNR.0.3

Supply voltage:	110/230V AC $\pm 10\%$, 50/60Hz
Type:	Electrical, bi-direction step motor
Power consumption:	1VA standby / 6VA operating / 8VA max.
Control signal:	Digital (2-position / 3-point floating)
Feedback:	No
Failsafe function:	Fail in place
Manual override:	Yes. 4 mm (~5/32") Allen Key
Position indication:	Yes
Operation time:	27.2 sec/mm
Actuating force:	200N (-30N/+70N)
Stroke:	1-8.5 mm / 0.04-0.33 in (auto adjusting)
Ambient temperature:	0°C to +50°C / +32°F to +122°F
Media temperature:	0°C to +120°C / +32°F to +248°F
Humidity rating:	0..80% rH, no condensation
Protection:	IP54, class II, including upside-down, indoor use only
CE conformity:	EN 60730
Cable:	Fixed, 3 wires x 0.50mm ² , 1.5 meter Fixed, 3 wires x AWG20, 4.9 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing points and stroke length of the valve.

DIMENSIONS AND WEIGHT (NOMINAL)

Actuator	L mm (in)	W mm (in)	H mm (in)	T	Weight kg (lb)
FNR.0.X	93.0 (3.66)	50.0 (1.97)	88 (3.46)	M30x1.5	0.23 (0.51)



MODEL NUMBER SELECTION

Actuator force:

0 = High

Control signal:

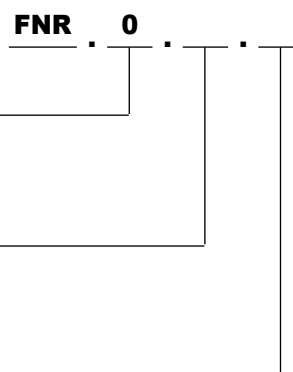
2 = 24V modulating

3 = 110V/230V digital

Control mode (only for modulating version):

Leave blank = Linear

EQ = Equal%

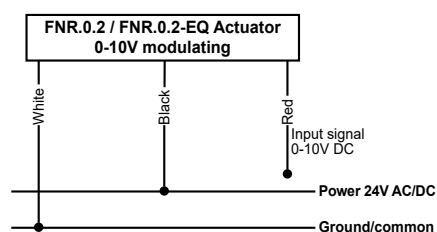


Example:

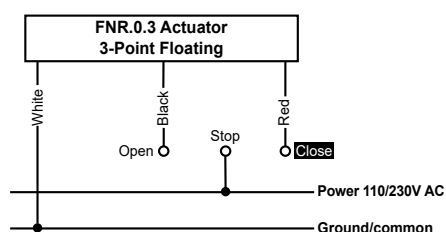
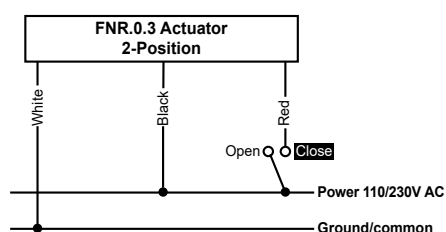
FNR.0.2 = FlowCon FNR actuator 24V modulating, linear control mode.

WIRING INSTRUCTION

ANALOG



DIGITAL



UPDATES

For latest updates please see www.flowcon.com

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