

FlowCon FNJ Actuators

FlowCon Electrical Actuators



SPECIFICATIONS

FlowCon FNJ.1.2

Supply voltage:	24V AC/DC $\pm 15\%$, 50/60 Hz
Type:	Electrical, bi-directional synchronous motor
Power consumption:	24V AC: 2.5VA standby/operating (5VA max.) 24V DC: 1.5W standby/operating (3W max.)
Control signal:	Analog 0-10V DC (Optional: 2-10V DC, 0-5V DC, 5-10V DC, 0-20mA or 4-20mA)
Feedback:	Yes, 0-10V DC, $\pm 5\%$
Control mode:	Linear
Failsafe function:	Yes, close (optional open)
Position indicator:	Yes
Operation time:	8 sec/mm
Actuating force:	Medium (160N -20N/+25N)
Stroke:	6.0 mm / 0.24 in
Ambient temperature:	0°C to +50°C / +32°F to +122°F
Media temperature:	0°C to +95°C / +32°F to +203°F
Humidity rating:	10..90% rH, no condensation
Protection:	IP54, no upside-down mounting, Class III, indoor use only
CE conformity:	EMC 2014/30/EU / LVD 2014/35/EU
Cable:	Plug-in, 4 wires x 0.35 mm ² halogen free, 1.5 m Plug-in, 4 wires x AWG22 halogen free, 4.9 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

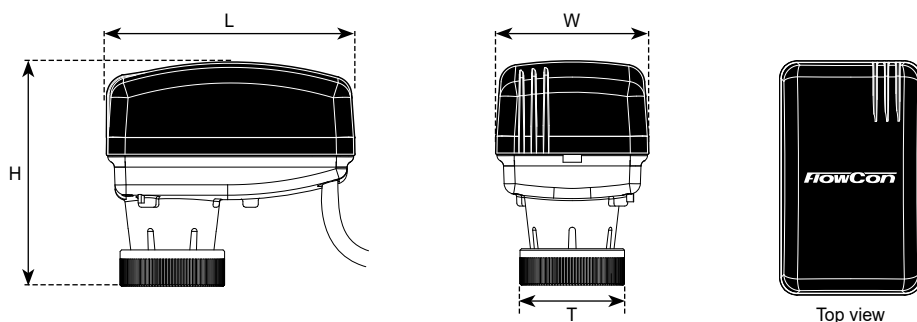
SPECIFICATIONS

FlowCon FNJ.1.2-EQ

Supply voltage:	24V AC/DC $\pm 15\%$, 50/60 Hz
Type:	Electrical, bi-directional synchronous motor
Power consumption:	24V AC: 2.5VA standby/operating (5VA max.) 24V DC: 1.5W standby/operating (3W max.)
Control signal:	Analog 0-10V DC (Optional: 2-10V DC, 0-5V DC, 5-10V DC, 0-20mA or 4-20mA)
Feedback:	Yes, 0-10V DC, $\pm 5\%$
Control mode:	Equal%
Failsafe function:	Yes, close (optional open)
Position indicator:	Yes
Operation time:	8 sec/mm
Actuating force:	Medium (160N -20N/+25N)
Stroke:	6.0 mm (0.24 in)
Ambient temperature:	0°C to +50°C / +32°F to +122°F
Media temperature:	0°C to +95°C / +32°F to +203°F
Humidity rating:	10..90% rH, no condensation
Protection:	IP54, no upside-down mounting, Class III, indoor use only
CE conformity:	EMC 2014/30/EU / LVD 2014/35/EU
Cable:	Plug-in, 4 wires x 0.35 mm ² halogen free, 1.5 m Plug-in, 4 wires x AWG22 halogen free, 4.9 ft
Closing point adjustment:	During operation the actuator will self-adjust according to the closing point of the valve.

DIMENSIONS AND WEIGHT (NOMINAL)

Actuator	L mm (in)	W mm (in)	H mm (in)	T	Weight kg (lb)
FNJ.1.2	80 (3.15)	49 (1.93)	73.6 (2.90)	M30x1.5	0.30 (0.66)
FNJ.1.2-EQ					



MODEL NUMBER SELECTION

Failsafe function:

1 = Failsafe

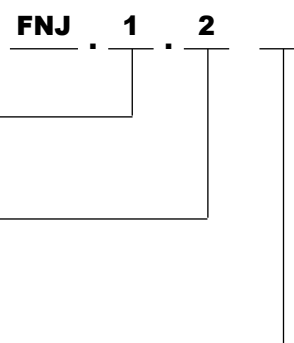
Control signal:

2 = 24V modulating

Control mode:

= Linear (leave this position empty)

-EQ = Equal%

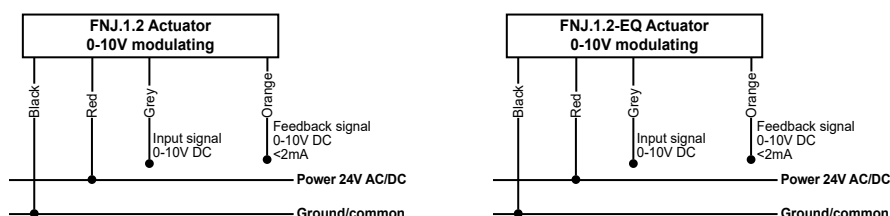


Example:

FNJ.1.2 = FlowCon FNJ actuator 24V modulating, with failsafe function.

WIRING INSTRUCTION

ELECTRICAL MODULATING



UPDATES

For latest updates please see www.flowcon.com

FlowCon International can accept no responsibility for possible errors in any printed material. All rights reserved.