



Model **J2** -10



Doc: J2-10/01

Nov 2009

Feature rich **J+J** plastic multi-voltage actuator .

Introduced in late 2009, the **J2-10** is the first all externally plastic construction electric actuator from **J+J**.

The **J2-10** is quick and easy to install, with ISO:5211 multi-flange mounting and a double square drive, allowing fast mounting to ISO:5211 valves.

There is no need to remove the cover to connect the **J2-10** electrically, saving installation time.

Using the external DIN plugs and external wiring diagrams supplied with the actuator, installations can be pre-wired.

Protection against valve jams is provided by an electronic torque limiter, which auto-relaxes the gearbox when activated, allowing the manual override to be selected to assist in clearing the jam.

The effect of condensation is eliminated by an internal thermostatic anti-condensation heater that does not require a separate independent power supply.

The **J2-10**'s function is power open, power close, stays put on power failure.

Method of operation:

On receipt of a continuous power signal within the voltage range shown above, the motor runs and, via a flat gear system, rotates the output shaft. The motor is stopped by internal cams striking micro switches. On receipt of a reversing continuous signal, the motor turns in the opposite direction reversing the output drive.

Notes:

The power signal needs to remain on at all times to activate the thermostatic anti-condensation heater.

The volt free end of travel confirmation switches must not be used to cut the power.



The **J2-10** is another smart red box!



Quick guide to the **J2**'s standard features :

Multi-voltage with auto-voltage sensing.

J2-H10 110 - 240V AC or DC

J2-L10 24V AC or DC

Electronic over-torque protection against valve jams

Thermostatic anti-condensation heater

Manual override for emergency hand operation

2 Volt free end of travel confirmation switches

IP65 weatherproof anti-corrosive and UV protected Polyamide housing

Local visual position indicator

ISO5211 multi-flange mounting with double square drive

All external electrical connections via supplied DIN plugs

CE marked

ISO 9000 EU manufacturer

Ideal for plastic and small bore low torque metal ball valves !



The all new **J2** - I0

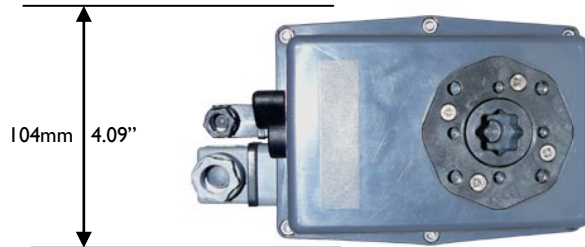
Specifications: **J2** - I0

Voltage range - automatically sensed by actuator	J2 -HI0 110-240V AC (Iph) or DC J2 -LI0 24V AC (Iph) or DC
Operating time (0-90° no load) J2 -HI0 & J2 -LI0	17 seconds
Maximum break torque	12 Nm 106 in.lbs
Maximum operating torque (run/ reseal)	10 Nm 88 in.lbs
Duty rating	75%
IP Rating (IEC 60529)	IP65
Working angle Standard (on request)	90° (180° or 270° options)
Mounting ISO:5211 x DIN 3337	F03 & F05 x I4
Motor switches	2 x SPDT micro switches
End of travel confirmation (volt free)	2 x SPDT micro switches
Heater	4 W
Ambient temperature range	-20° to +70°C / -4 to +158°F
Electrical connecting plugs	DIN 43650/ ISO4400 & C192
Consumption:	
110/ 220V AC/Iph or DC	Max 0.27 A
24V AC (Iph) or DC	Max 0.39 A
Weight	0.9 kg

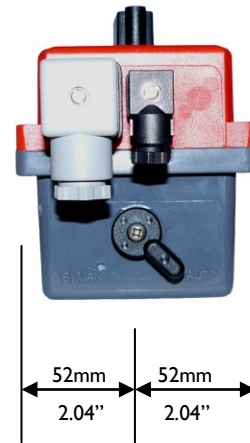
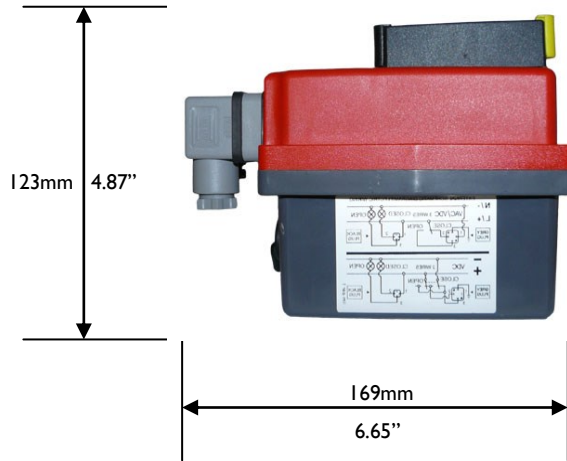
Materials of construction:

Housing	Anti-corrosive Polyamide
Fasteners	Stainless steel
Gears	Polyamide
Shaft (Internal)	Stainless steel
Output drive	Polyamide
Position indicator	Glass filled Polyamide

Dimensions: **J2** - 10



Mounting ISO: 5211	F03	F05
	36mm	50mm
Drive	14mm (9 or 11 option)	



Wiring: **J2** - 10

