

J2 Series Model 140 BSR



Doc: J2-140BSR

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J2-140 BSR Failsafe 'Smart Redbox' IP65 Weatherproof Electric Actuator

The **J2** BSR electric actuator is fitted with a Battery Spring Return System that uses industrial rechargeable batteries to failsafe the actuator to either the open or closed position on power failure. On the models 20-55 the BSR is fitted side by side with the J2 actuator and on models 140-300 the BSR system is fitted internal

The **J2** Smart Redbox electric actuator offers multi-voltage capability, electronic torque limiter, anti-condensation heater, local and remote position confirmation and a manual override with safety cut-out switch when activated.

With the same wiring connections for AC & DC power supplies and with external DIN plug connections, eliminating the need to remove the actuators cover to connect, the **J2** is quick and easy to install.

Features:

One of the main new features is the built in electronic torque limiter which constantly monitors the motor load and immediately cuts the motors power supply if the 'set point' is exceeded. After activation, the J2 auto relaxes the gearbox by backing off in the opposite direction to the blockage, thereby allowing simple use of the manual override to assist in unblocking the valve.



Read supplied installation & operating instructions before use.

See reverse for wiring diagram and available models

Main Features;

Power open– Power close, fails safe on	1
Industrial rechargeable battery back up system. Resets to original position on power resumption	2
Accepts 12-48V AC/DC and 80-240V AC/DC	3
Electronic torque limiter Protects against valve jams	4
Anti-condensation heater	5
Manual override	6
All connections via external DIN plugs	7
Available as standard on/off	8
Available with DPS modulation system, with 0-10V or 4-20mA	9
Torque output of 170Nm Break and 140Nm	10

Other models in the **J2** - 140 range

Standard On/Off actuator Series

Available as a 1/4 turn IP65 electric actuator. Power to open, Power to close. With volt free limit switches, Electronic torque limiter, anti-condensation heater and manual override all as standard. See individual datasheet for more information

Digital Positioning System (DPS) Series

Internally factory fitted Digital Positioning System (DPS) provides accurate modulating function with either 0-10VDC or 4-20mA control signal. Output signal provided.

See individual datasheet for more information

J2-140 BSR fitted with stainless steel mounting kit

The J2 series of electric actuator can be fitted with a stainless steel mounting kit and drive piece for duties where there is a high temperature. The use of a stainless steel kit helps dissipate the heat.

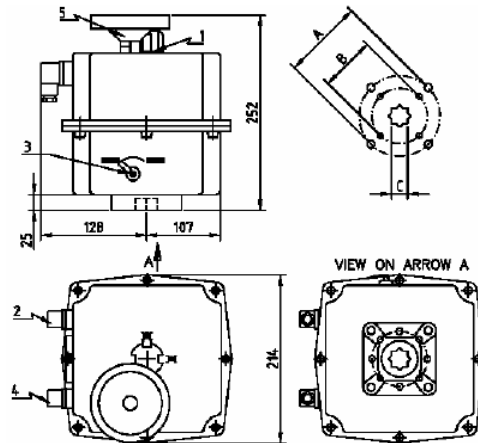
See individual datasheets for more information



Specifications: J2-I40 BSR Electric actuator

Models	J2H140 BSR J2L140 BSR
Housing	IP65 Polyamide (Nylon 6)
Duty Rating	35%
Drive Connection	ISO5211 & DIN plugs
Electrical Connection	External via DIN plugs
Torque Output	170Nm Break, 140Nm Running
Temp Range	-20°C to +70°C
Working Time	8 Secs + 10%, no load
Supply Voltages	80-240V AV or DC
Weight	8 kg
Minimum recharge time	8 Seconds

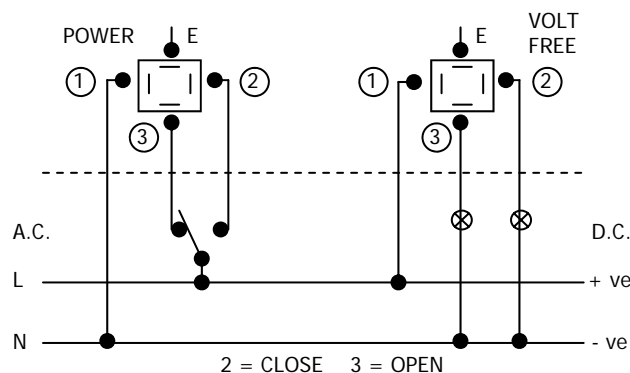
Dimensions:



BSR, Failsafe on power failure:

- 1 Manual override & local position indicator
 - 2 Power supply DIN plug
 - 3 Manual override selector lever
 - 4 Volt free limit switch DIN plug
- A: F07/10
B: 22mm
C: ISO5211

Wiring:



Wiring Diagram (AC or DC):