

J4C S20 - Smart Electric Actuator

Description

A compact electrical actuator for the control and regulation of valves.
Utilising a new brushless-motor drive technology.
Pre-set with 90° operation.
Manufactured in accordance with ISO 5211 / DIN 3337.

Ships as standard with:

- Manual override handwheel
- 2 additional volt-free end of travel confirmation switches.
- Electronic torque limiter.
- Automatic anti-condensation heater.
- Multi-coloured status light.
- Dome visual position indicator.
- Configurable operation via adjustable cam system (max. 340°)
- Standard 2 pin control or optionally 3 pin regulated operation control.



Technical Specifications

Voltage Range: 24 - 240V DC/AC (50/60 Hz)

Current Draw: 0.16 A – 1.28 A

Run Time @ 90°: 9s ± 10%

Heater: 3.5 W

Max. Break Torque: 25 Nm

Max. Operating Torque: 20 Nm

Duty Rating: 75%

IP Rating (IEC 60529): IP67

Temperature Range: -20°C - +70°C

Flange: F03/F04/F05 - F07 via Kit

Mounting: ⌀9 mm, 11 mm, 14 mm (Standard)

□11x16,5 mm

Connections: EN175301-803 Form A & Form C

Housing Material: Polyamide (PA6)

End of Travel Confirmation: SPST NO 5A 125V AC / 3A 250V AC

Weight: 1.8 kg



Options

BSR (Battery Failsafe)

The drive moves in the event of a power failure to a predetermined safe position (Open or Closed)

Variations: NC, NO

-Compatible with DPS, 3 position, potentiometer, and fixed line

DPS (Digital Positioning System)

The actuator can be freely positioned (within the present range) via an input signal and outputs its position via an output signal.

Available Input Ranges:
0-10V, 1-10V, 0-20mA, 4-20mA

3 Position

The actuator can additionally move to a third middle position.

Standard: 0°-90°-180°

Fixed Line Wiring

The actuator is supplied with a fixed voltage on one of the control lines and drives to a given position based on whether voltage is supplied to the second control line or not.

Variations: NC, NO

Potentiometer

A potentiometer in the actuator indicates the actual position as an ohmic value.

Variations: 1kΩ, 5kΩ, 10kΩ

B-Series (12V Variant)

The actuator is operated with a supply voltage of 12V AC / DC.

-Compatible with all options-

Bluetooth

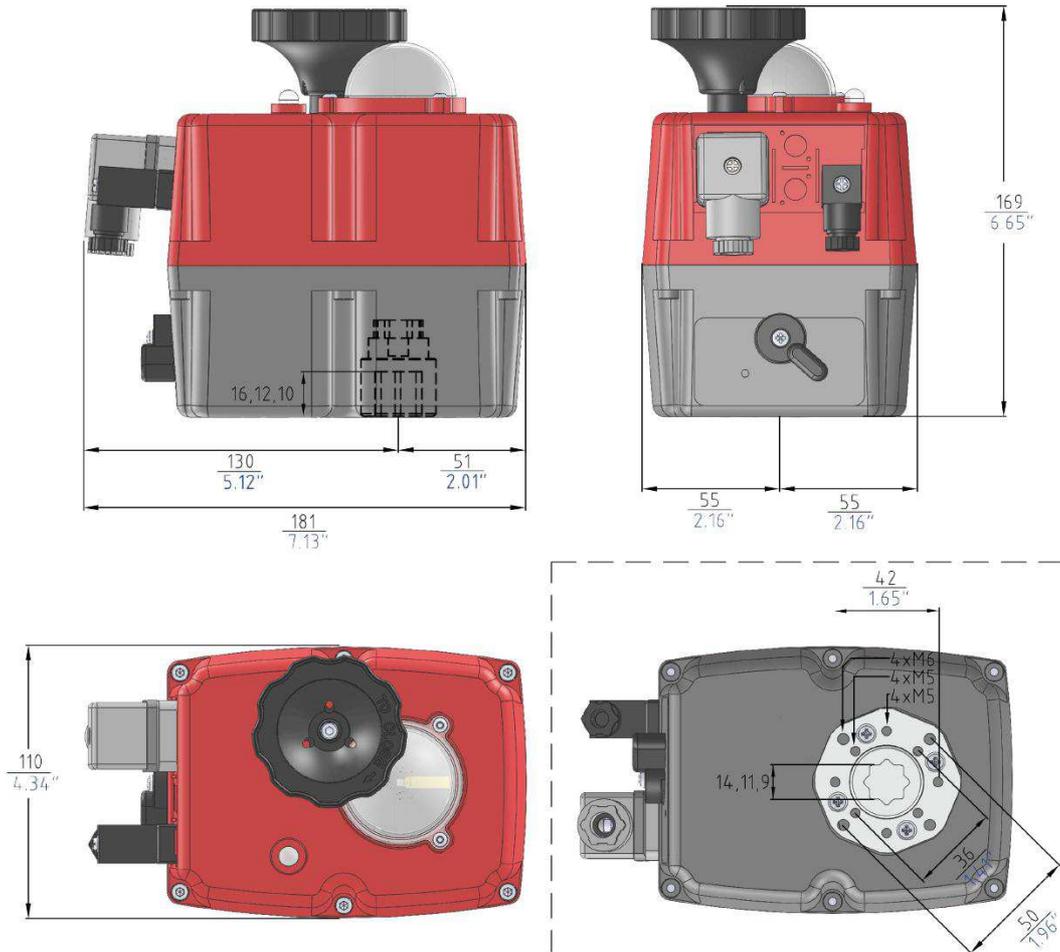
A Bluetooth module allows control signalling and position reporting wirelessly.

Modbus

A bus module allows control signalling and position reporting over a bus network.

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Technical Drawings



Wiring Diagram

