

## HVAC CONTROL PRODUCTS

### Actuators

## Spring Return Damper Actuators

### M9203

*(Joventa DxF1.03S-Z)*

3 Nm, ON/OFF, Floating and Proportional Control

The M9203 Series Electric Spring Return Actuators are direct-mount actuators.

These bidirectional actuators do not require a damper linkage, and are easily installed on round shafts or square shafts using the standard shaft clamp included with the actuator.

A single M9203 Series Electric Spring Return Actuator provides 3 Nm running and spring return torque.

An integral line voltage auxiliary switch, available only on the M9203-xxB-1(Z) models, indicates end stop position, or performs switching functions within the selected rotation range.

M9203 Series Actuators provide 95° of rotation. A graduated scale from -5° to 90° and a position indicator provide visual indication of stroke.

When power fails during service, the mechanical spring return system provides rated torque to the connected equipment, returning it to the home position.

The series includes the following control options:

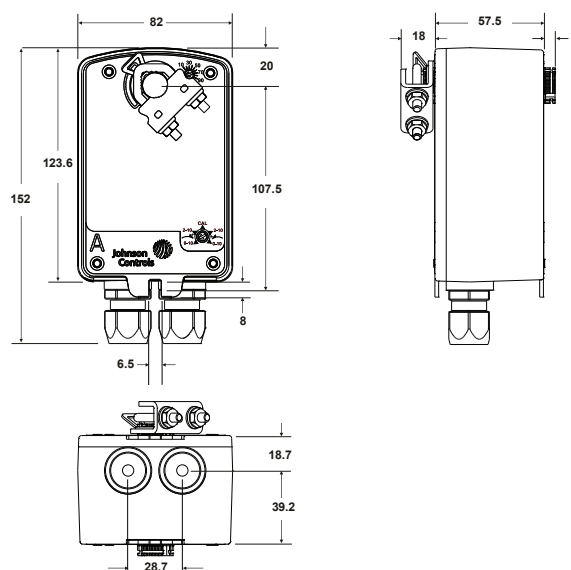
ON/OFF, 24 V, 100 to 240 VAC power

ON/OFF and Floating Point, 24 V power

Proportional, 24 V power, for 0(2) to 10 VDC or 0(4) to 20 mA Control Signal.

### Features

- 3 Nm Rated Torque
- Direct-Coupled Design
- Reversible Mounting
- Electronic Stall Detection
- Double-Insulated Construction
- Microprocessor-controlled Brushless DC Motor (-AGx and GGx types)
- External Mode Selection Switch (-AGx and -GGx types)
- Integral Cables with Colored and Numbered Conductors
- Optional Integrated Auxiliary Switch
- Override Control (Proportional Models Only)
- Manufactured under International Standards Organization (ISO) 9001 Quality Control Standards



Dimensions in mm