

# FP18-MOTOR

**On/Off-Floating Point Control,  
Non-Spring Return,  
Direct Coupled, 24 V Actuator**

## Application

For on-off and floating point control of dampers in HVAC systems. Actuator sizing should be done in accordance with the damper manufacturer's specifications.

The actuator is mounted directly to a damper shaft from 1/4" up to 5/8" in diameter by means of its standard universal clamp. Shafts up to 3/4" diameter can be accommodated by an accessory clamp.

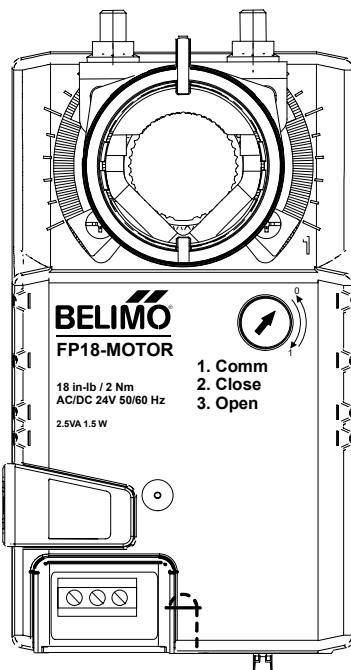
## Operation

The actuator is not provided with and does not require any limit switches, but is electronically protected against overload. The anti-rotation strap supplied with the actuator will prevent lateral movement.

The FP18-MOTOR provides 95° of rotation and a visual indicator which indicates position of the actuator. When reaching the damper or actuator end position, the actuator automatically stops. The gears can be disengaged with manual release on the actuator cover.

The actuator uses a sensorless Brushless DC motor, which is controlled by an Application Specific Integrated Circuit (ASIC). The ASIC monitors and controls the actuator's rotation and provides a digital rotation sensing (DRS) function to prevent damage to the actuator in a stall condition. Power consumption is reduced in holding mode.

# SPECIFICATIONS



## FP18-MOTOR-24 SPECIFICATIONS

<b>ACTUATOR TYPE:</b>	<b>3-Wire Floating Point</b>
<b>INPUT VOLTAGE:</b>	<b>24VAC</b>
<b>VA:</b>	<b>2.5</b>
<b>AMPS:</b>	<b>.06</b>
<b>TORQUE:</b>	<b>18 in-lb</b>
<b>STROKE:</b>	<b>90° (Adjustable)</b>
<b>TRAVEL TIME:</b>	<b>60 Seconds @ 90°</b>
<b>DIMENSIONS:</b>	<b>4.57"H x 2.6"W x 2.34"D</b>