

3-point Floating Type Damper Actuator

Description

This 3-point floating type damper actuators use brushless DC motor. It is smart design and has high IP class. It is widely used for damper control in HVAC system.



CHARACTERISTICS

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- With adjustable mechanical limiter
- With transfer switch of direct rotation direction and reverse rotation direction
- Use brushless DC motor and end switch is not required
- With 2 adjustable feedback switches to feedback the position of the damper actuator. The feedback switches are set at 90° and 0° normally. If the damper actuator does not operate to the set angle, the malfunction alarm will work.

● SIMPLE AND CONVENIENT FUNCTION TESTING

It is also convenient to test the function of damper operation: push the manual button on the actuator, the gearings inside the actuator will break away, then the damper can be operated manually. The damper actuator from 2 to 10Nm torque could be manually operated by a tool (size$\Phi 5$ round bar) to rotate the universal clamp holder on the output shaft.

PLEASE DO NOT OPERATE WHEN POWER ON!

● SIMPLE INSTALLATION

The damper actuator can be easily fixed on the square/ circular damper shaft with a universal clamp holder.

Specification

Voltage	24VAC;220VAC
Power Consumption	15VA
Control	3-point Floating
Rotate Angle	90° < Mechanical limitation ≤ 95°
Torque	30Nm,40Nm
Operating Time (50Hz, 90°)	20...22s
Holding Power	2W
Cable	18#,450mm
Noise Level	Maximun 55dB(A)
IP Class	IP54
Ambient Temp	-5~+50°C
Storage Temp	-30~+70°C
Useful Life	>60000 cycles

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Part Number Scheme

DA-20-24-FL-2S

Code	Description
DA	Damper Actuator

Code	Torque
20	20Nm

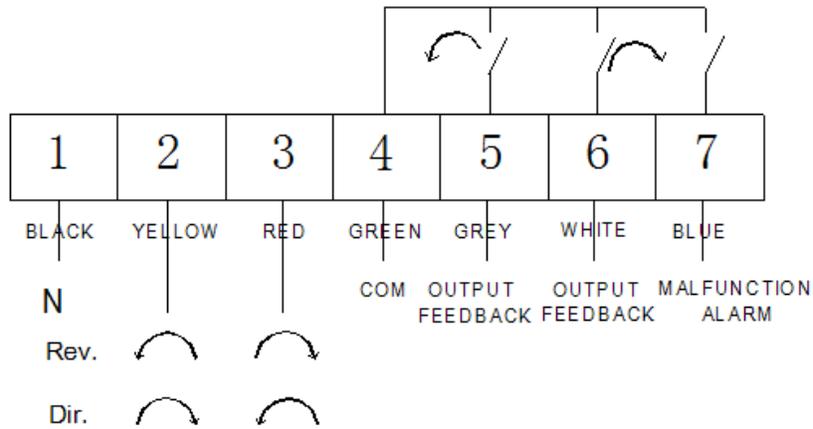
Code	Coil Voltage
24	24VAC
220	220VAC

Code	Description
2S	two endswitches

Code	Description
FL	3-point floating type

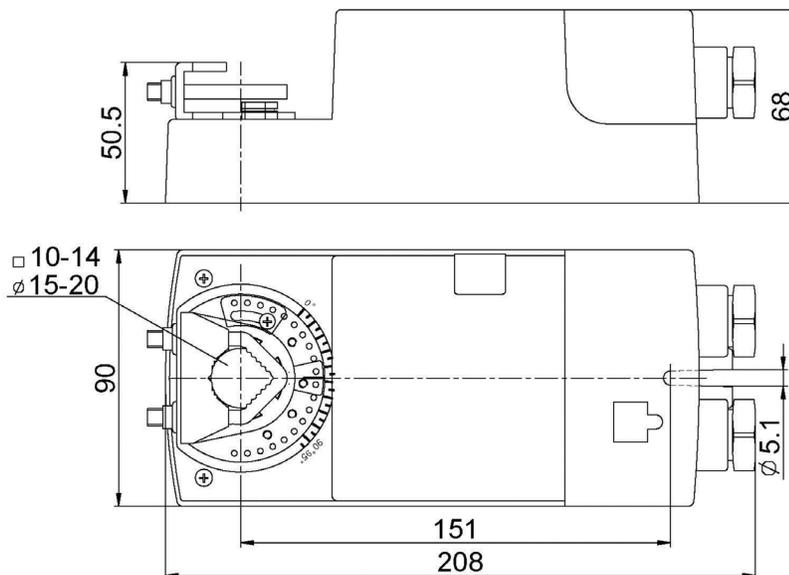
Wiring Diagram

Unit:mm



Dimension

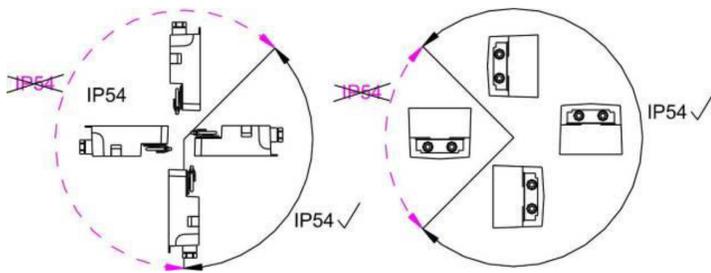
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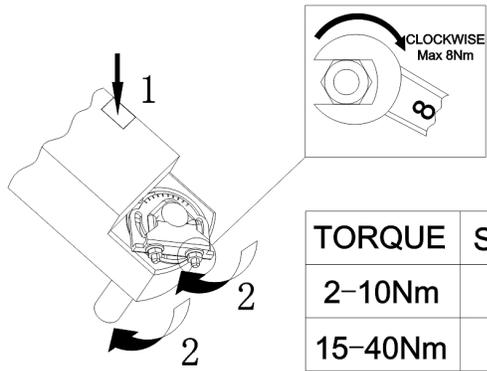
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Installation

INSTALLATION AND IP CLASS



INSTALLATION INSTRUCTION



TORQUE	SPANNER SIZE
2-10Nm	8
15-40Nm	10