

EA700 Series Low Noise Damper Actuators



Designed for damper control within HVAC systems.

Torque:

2Nm, 5Nm, 10Nm

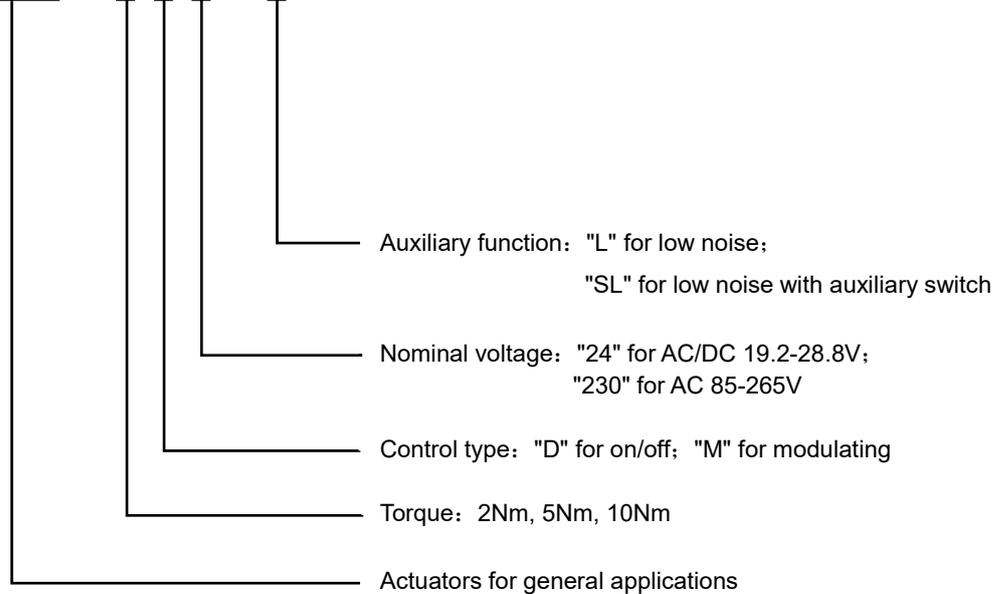
Nominal Voltage and Control Type:

AC/DC19.2-28.8V or AC85-265V, 2-point/3-point, D

AC/DC19.2-28.8V, 0(2)-10V or 0(4)-20mA, M

Product Code Description:

EA700 - X X X - X



EA700 Series Low Noise Damper Actuators

2Nm Model Selection Chart

Model	Torque	Running Time	Nominal Voltage	Auxiliary Function
EA700-2D24-L	2Nm	75s	AC/DC 24V	None
EA700-2D230-L			AC 230V	
EA700-2M24-L			AC/DC 24V	
EA700-2D24-SL			AC/DC 24V	Auxiliary Switches
EA700-2D230-SL			AC 230V	
EA700-2M24-SL			AC/DC 24V	



Technical Parameters

Model	EA700-2D24-L	EA700-2D230-L	EA700-2M24-L
	EA700-2D24-SL	EA700-2D230-SL	EA700-2M24-SL

Electrical Parameters

Nominal Voltage	AC/DC 24V 50/60Hz	AC 230V 50/60Hz	AC/DC 24V 50/60Hz
Voltage Range	AC/DC 19.2-28.8V	AC 85-265V	AC/DC 19.2-28.8V
Power	running	1.5W	
Consumption	holding	0.7W	
Cable Specification	On/Off Type: 1m cable 3*0.75mm ² ; Modulating Type: 1m cable 4*0.5mm ² ; Feedback Signal: 1m cable 6*0.5mm ²		

General Parameters

Torque	2Nm		
Damper Size	0.5m ²		
Running Time	75s		
Control Type	2-point/3-point	0(2)-10V or 0(4)-20mA	
Rotation Angle	0~90° (93°max.)		
Rotation Direction	L/R switch		
Position Feedback	available with 2 auxiliary switches		
Life Cycle	≥70000		
Noise Level	35dB		

Working Environment

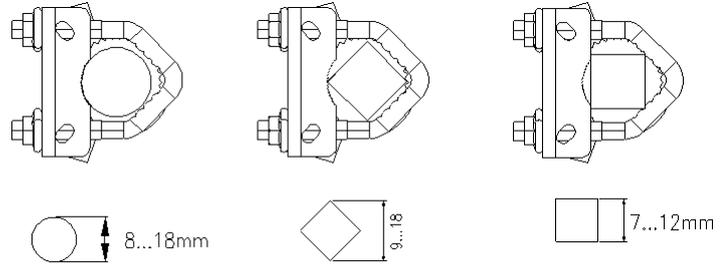
Protection Class	II/III		
Protection Level	IP54		
Ambient Temperature	-30~+50°C		
Ambient Humidity	5~95%RH		
Storage Temperature	-40~+80°C		

Dimension/Weight/Other

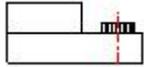
Shaft		8-18mm
Weight	0.5Kg	
Certificate	CE、UKCA、RoHS	

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EA700-2/5 Shaft Dimensions



Unit: mm

Throttle Axis	Length			
	≥ 40	8...18	≥ 7	≤ 18

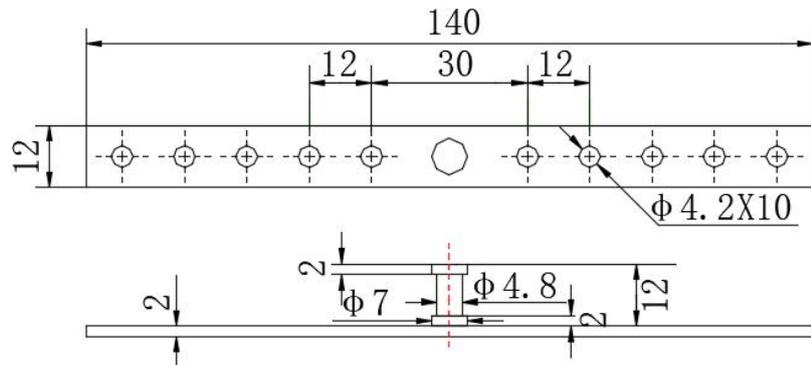
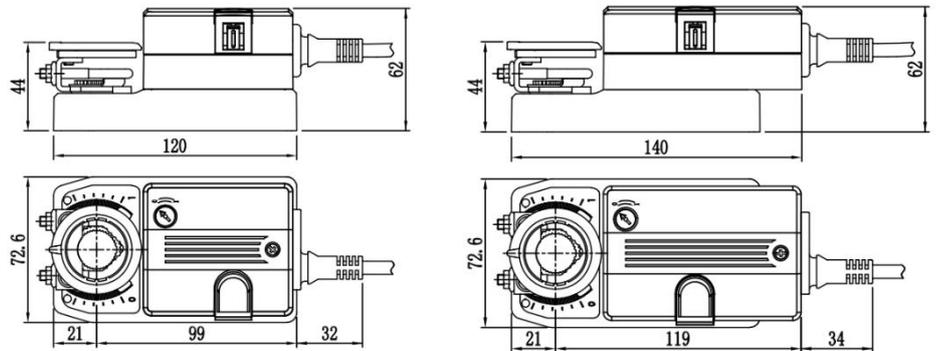
EA700-2/5 Shape and Mounting Dimensions (mm)

EA700-2/5D24-L

EA700-2/5M24-SL EA700-2/5D230-SL

EA700-2/5M24-L

EA700-2/5D24-SL EA700-2/5D230-L



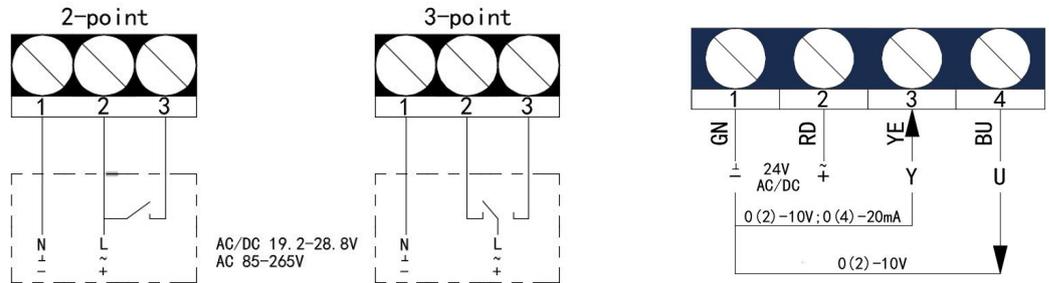
EA700 Series Damper Actuators Installation Diagram

Wiring Diagram



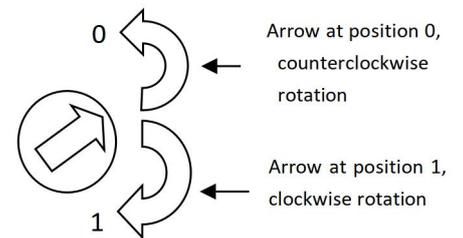
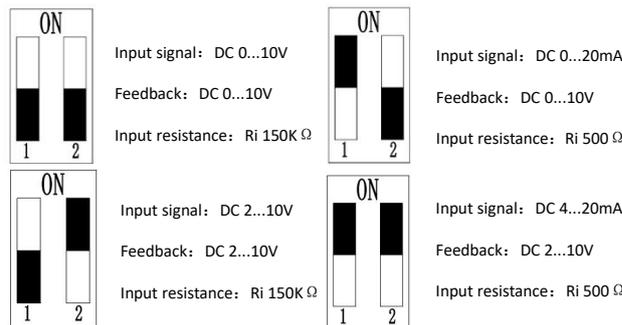
ON/OFF

MODULATING



Control signal and Input resistance

According to on-site needs, the position of the SW1 dial switch in the circuit board can be adjusted to achieve the conversion of control signals and feedback signals, as shown in the following figure.



Auxiliary Switch Description

