

EA700 Series Low Noise Damper Actuators



Designed for damper control within HVAC systems.

Torque:

2Nm, 5Nm, 10Nm

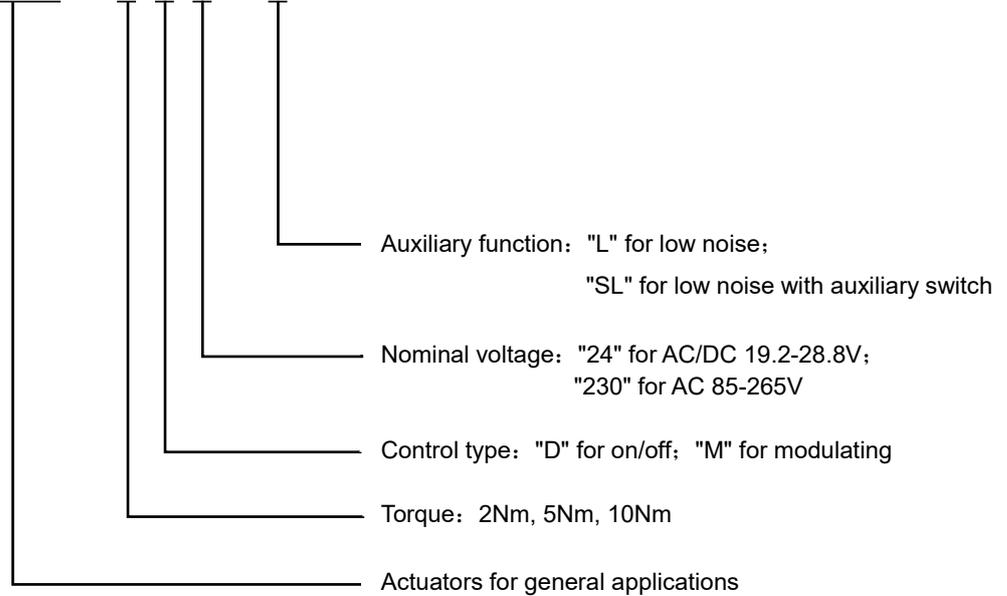
Nominal Voltage and Control Type:

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		

EA700 Series Low Noise Damper Actuators

5Nm Model Selection Chart

Model	Torque	Running Time	Nominal Voltage	Auxiliary Function
EA700-5D24-L	5Nm	150s	AC/DC 24V	None
EA700-5D230-L			AC 230V	
EA700-5M24-L			AC/DC 24V	
EA700-5D24-SL			AC/DC 24V	Auxiliary Switches
EA700-5D230-SL			AC 230V	
EA700-5M24-SL			AC/DC 24V	



Technical Parameters

Model	EA700-5D24-L	EA700-5D230-L	EA700-5M24-L
	EA700-5D24-SL	EA700-5D230-SL	EA700-5M24-SL

Electrical Parameters

Nominal Voltage	AC/DC 24V 50/60Hz	AC 230V 50/60Hz	AC/DC 24V 50/60Hz
Voltage Range	AC/DC19.2-28.8V	AC 85-265V	AC/DC19.2-28.8V
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	5Nm		
Damper Size	1m ²		
Running Time	150s		
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	

EA700 Series Low Noise Damper Actuators

10Nm Model Selection Chart

Model	Torque	Running Time	Nominal Voltage	Auxiliary Function
EA700-10D24-L	10Nm	150s	AC/DC 24V	None
EA700-10D230-L			AC 230V	
EA700-10M24-L			AC/DC 24V	
EA700-10D24-SL			AC/DC 24V	Auxiliary Switches
EA700-10D230-SL			AC 230V	
EA700-10M24-SL			AC/DC 24V	



Technical Parameters

Model	EA700-10D24-L	EA700-10D230-L	EA700-10M24-L
	EA700-10D24-SL	EA700-10D230-SL	EA700-10M24-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	2.5W	3.5W	2.5W
Consumption	holding	0.7W	1W	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	10Nm		
Damper Size	2m ²		
Running Time	150s		
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

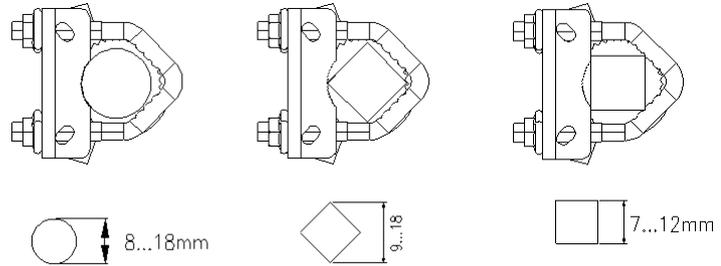
Protection Class	II /III		
Protection Level	IP54		
Ambient Temperature	-30~+50°C		
Ambient Humidity	5~95%RH		
Storage Temperature	-40~+80°C		

Dimension/Weight/Other

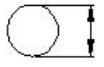
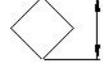
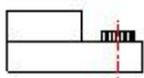
Shaft	 12-26.7mm; If the size of the damper shaft is small, use shaft spacer 3		
Weight	0.9Kg		
Certificate	CE、UKCA、RoHS		

EA700 Series Low Noise Damper Actuators

EA700-2/5 Shaft Dimensions



Unit: mm

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

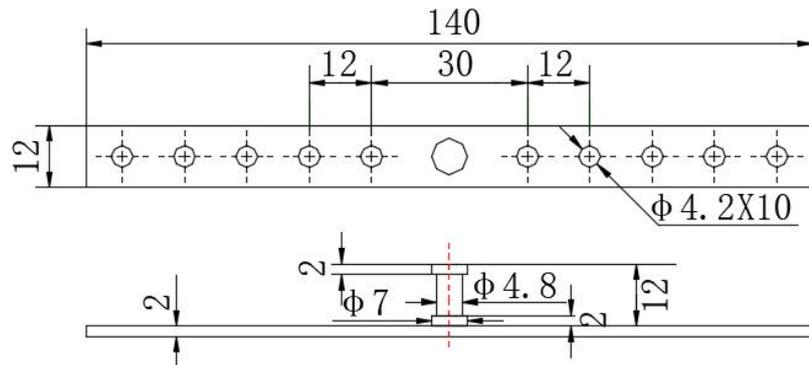
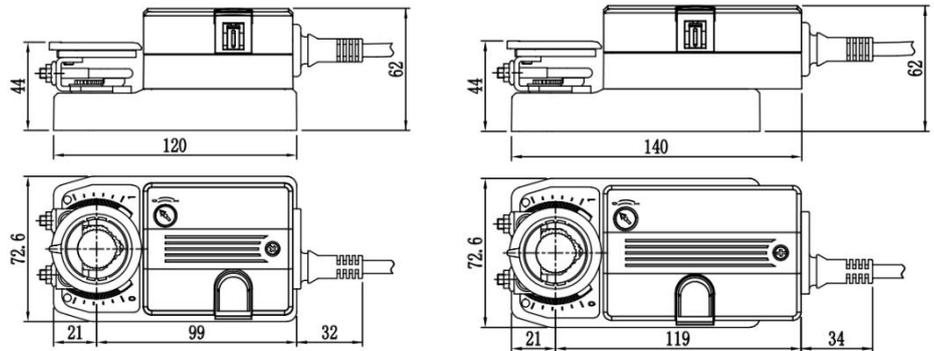
EA700-2/5 Shape and Mounting Dimensions (mm)

EA700-2/5D24-L

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

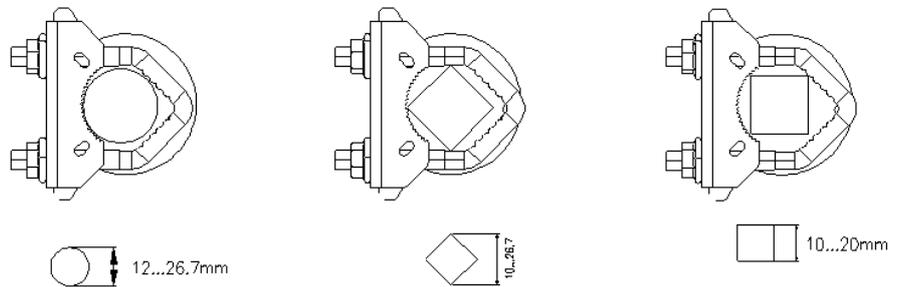
EA700-2/5M24-L

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

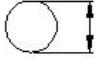
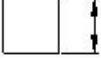
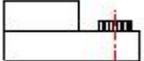


EA700 Series Low Noise Damper Actuators

EA700-10 Shaft Dimensions



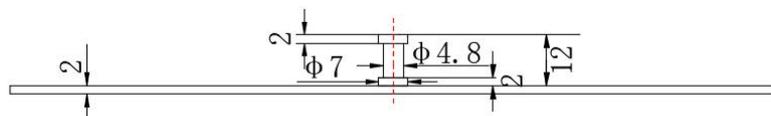
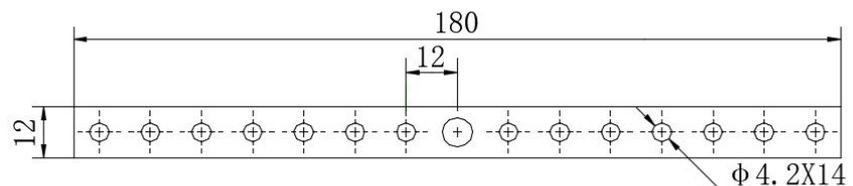
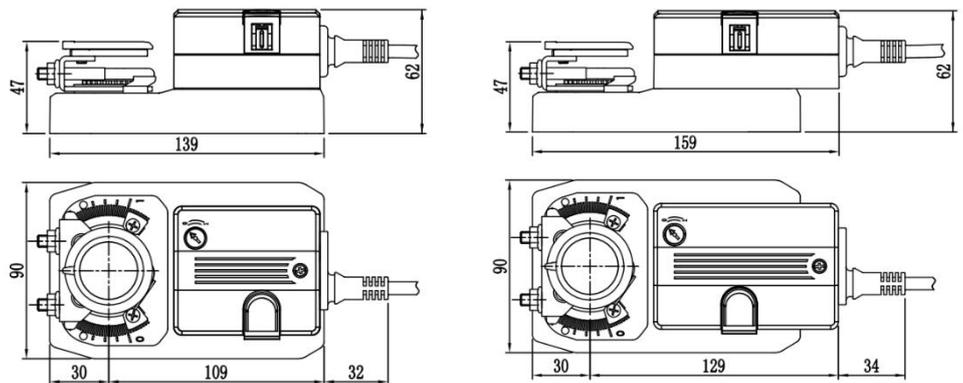
Unit: mm

Throttle Axis	Length			
	≥ 42	12.....26.7	≥ 10	≤ 26.7

EA700-10 Shape and Mounting Dimensions (mm)

EA700-10D24-L
EA700-10M24-L

EA700-10M24-SL EA700-10D230-SL
EA700-10D24-SL EA700-10D230-L

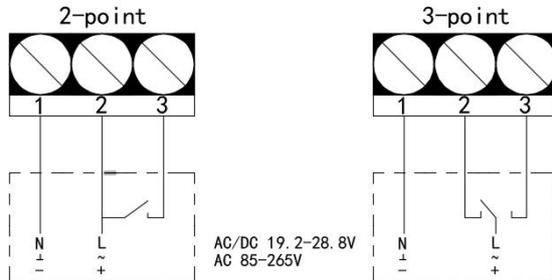


EA700 Series Damper Actuators Installation Diagram

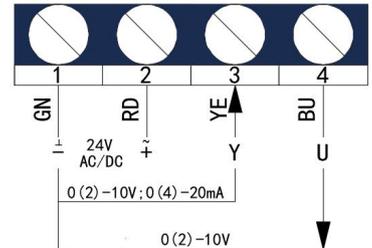
Wiring Diagram



ON/OFF

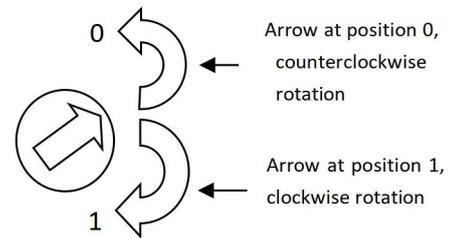
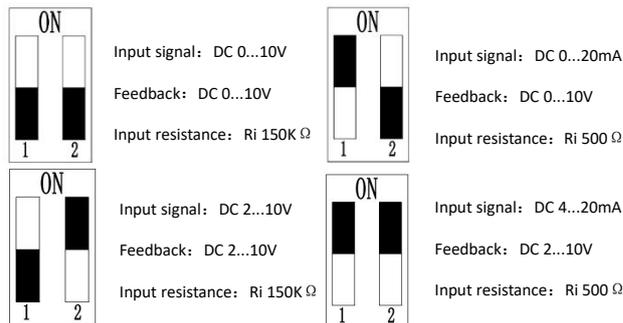


MODULATING



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

