

EA700 Series Fast Running Damper Actuators

Designed for damper control within HVAC systems.



Torque:

5Nm, 10Nm, 16Nm

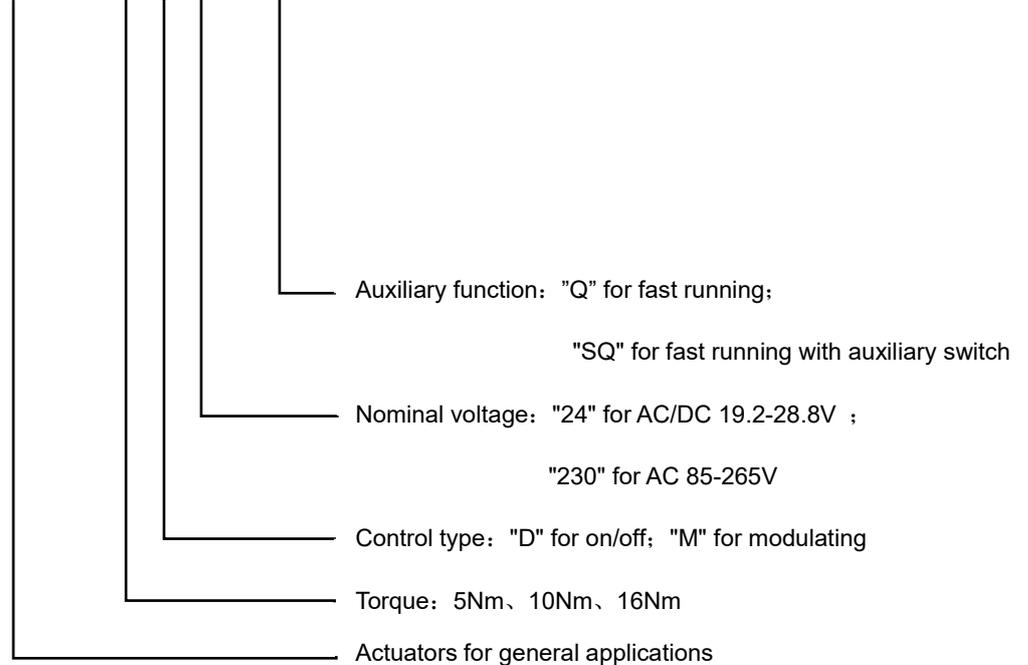
Nominal Voltage and Control Type:

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 Fast Running Damper Actuators

5Nm Model Selection Chart

Model	Torque	Running Time	Nominal Voltage	Auxiliary Function
EA700-5D24-Q	5Nm	2.5s-3.5s	AC/DC 24V	None
EA700-5D230-Q			AC 230V	
EA700-5M24-Q			AC/DC 24V	
EA700-5D24-SQ			AC/DC 24V	Auxiliary Switches
EA700-5D230-SQ			AC 230V	
EA700-5M24-SQ			AC/DC 24V	



Technical Parameters

Model	EA700-5D24-Q	EA700-5D230-Q	EA700-5M24-Q
	EA700-5D24-SQ	EA700-5D230-SQ	EA700-5M24-SQ
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	15W	
Consumption	holding	2W	
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	2.5s-3.5s		
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	≥30000		
Noise Level	60dB		
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	1.0Kg		
Certificate	CE、UKCA、RoHS		

EA700 Series Fast Running Damper Actuators

10Nm Model Selection Chart

Model	Torque	Running Time	Nominal Voltage	Auxiliary Function
EA700-10D24-Q	10Nm	4s-5s	AC/DC 24V	None
EA700-10D230-Q			AC 230V	
EA700-10M24-Q			AC/DC 24V	
EA700-10D24-SQ			AC/DC 24V	Auxiliary Switches
EA700-10D230-SQ			AC 230V	
EA700-10M24-SQ			AC/DC 24V	



Technical Parameters

Model	EA700-10D24-Q	EA700-10D230-Q	EA700-10M24-Q
	EA700-10D24-SQ	EA700-10D230-SQ	EA700-10M24-SQ
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	15W	
Consumption	holding	2W	
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	4s-5s		
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	≥30000		
Noise Level	55dB		
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	1.0Kg		
Certificate	CE、UKCA、RoHS		

EA700 Series Fast Running Damper Actuators

16Nm Model Selection Chart

Model	Torque	Running Time	Nominal Voltage	Auxiliary Function
EA700-16D24-Q	16Nm	7s-8s	AC/DC 24V	None
EA700-16D230-Q			AC 230V	
EA700-16M24-Q			AC/DC 24V	
EA700-16D24-SQ			AC/DC 24V	Auxiliary Switches
EA700-16D230-SQ			AC 230V	
EA700-16M24-SQ			AC/DC 24V	

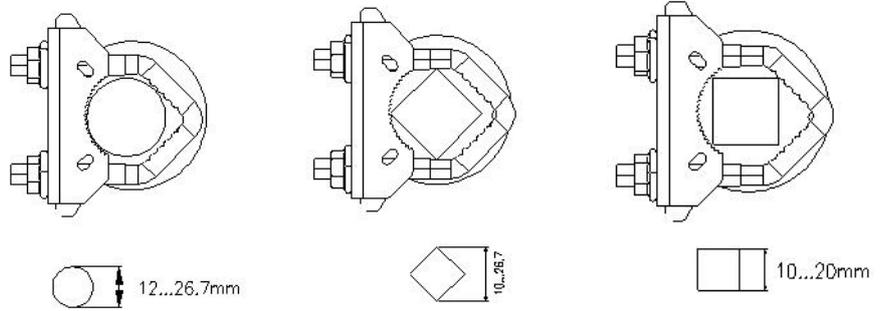


Technical Parameters

Model	EA700-16D24-Q	EA700-16D230-Q	EA700-16M24-Q
	EA700-16D24-SQ	EA700-16D230-SQ	EA700-16M24-SQ
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	15W	
Consumption	holding	2W	
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	16Nm		
Damper Size	4m ²		
Running Time	7s-8s		
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	≥30000		
Noise Level	55dB		
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	1.0Kg		
Certificate	CE、UKCA、RoHS		

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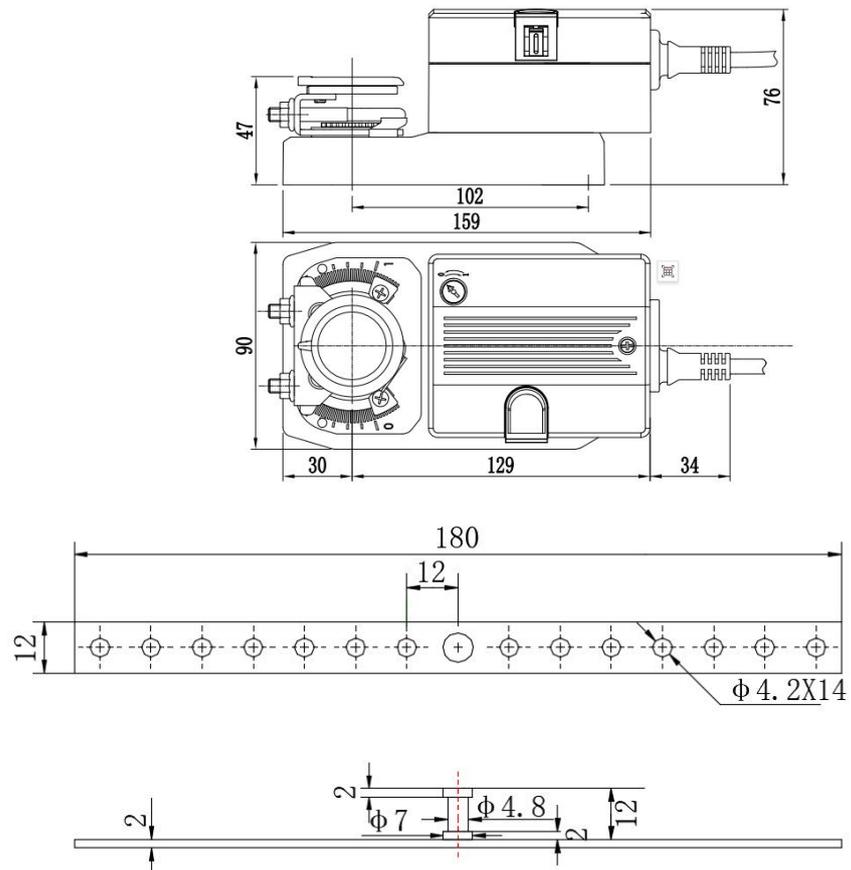
EA700-5/10/16 Shaft Dimensions



Unit: mm

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

EA700-5/10/16 Shape and Mounting Dimensions (mm)

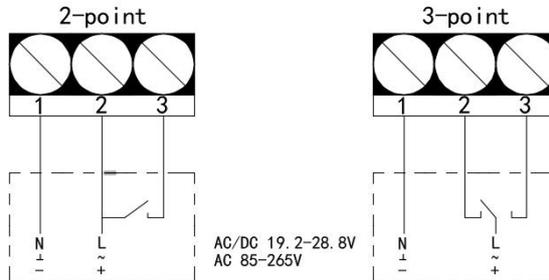


EA700 Series Damper Actuators Installation Diagram

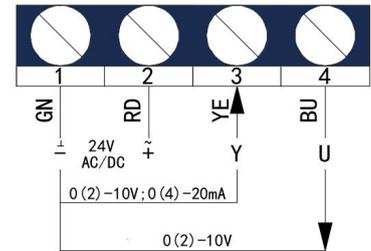
Wiring Diagram



ON/OFF

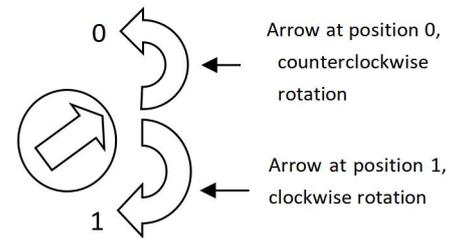
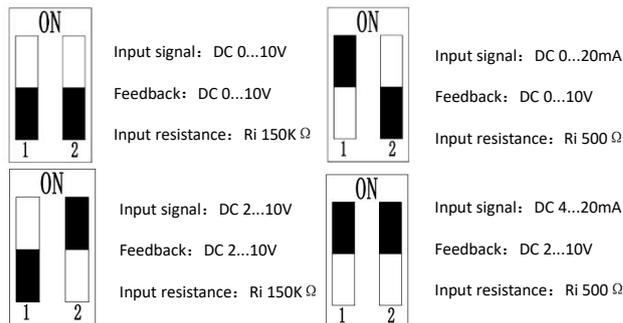


MODULATING



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

