

EA700 Series Standard Damper Actuators

Designed for damper control within HVAC systems.



Torque:

2Nm, 5Nm, 10Nm, 20Nm, 30Nm, 40Nm

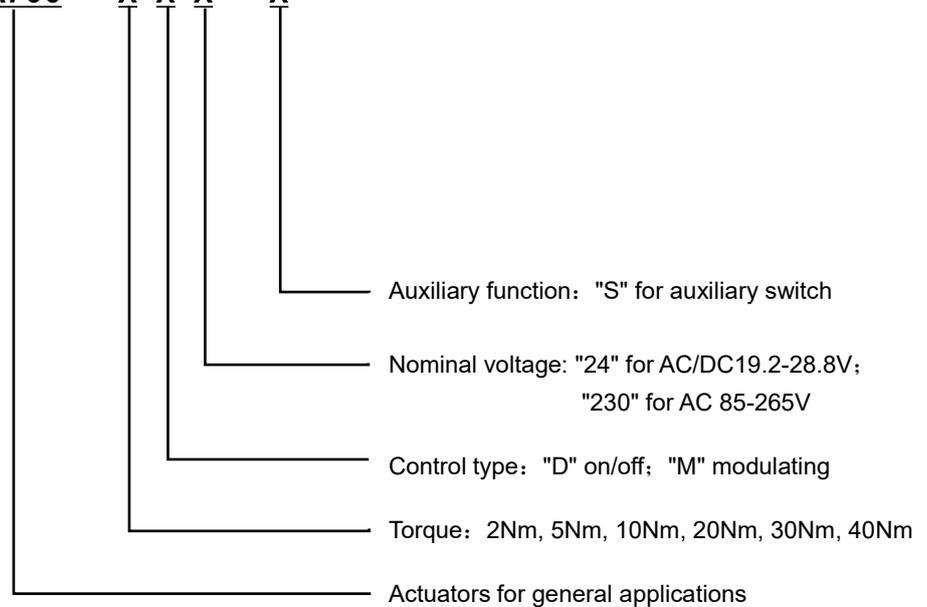
Nominal Voltage and Control Type:

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



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20Nm Model Selection Chart

Model	Torque	Running Time	Nominal Voltage	Auxiliary Function
EA700-20D24	20Nm	75s	AC/DC 24V	None
EA700-20D230			AC 230V	
EA700-20M24			AC/DC 24V	
EA700-20D24-S			AC/DC 24V	Auxiliary Switches
EA700-20D230-S			AC 230V	
EA700-20M24-S			AC/DC 24V	

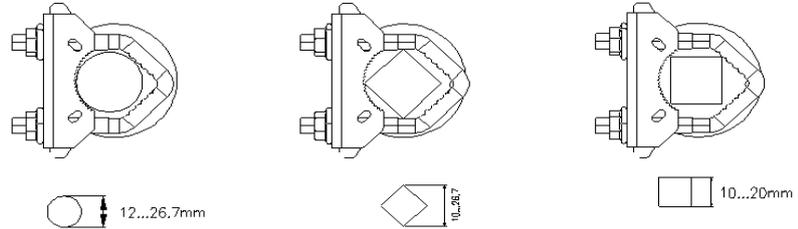


Technical Parameters

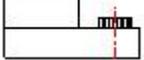
Model	EA700-20D24	EA700-20D230	EA700-20M24
	EA700-20D24-S	EA700-20D230-S	EA700-20M24-S
Electrical Parameters			
Nominal Voltage	AC/DC 24V 50/60Hz	AC 230V 50/60Hz	AC/DC 24V 50/60Hz
Voltage Range	AC/DC 19.2-28.8V	AC 85-265V	AC/DC 19.2-28.8V
Power	running	2.5W	3.5W
Consumption	holding	0.7W	1W
Cable Specification	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	20Nm		
Damper Size	4m 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	45dB		
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 (Kg)	0.9		
Certificate	CE、UL、UKCA、RoHS		

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EA700-10/20 Shaft Dimensions



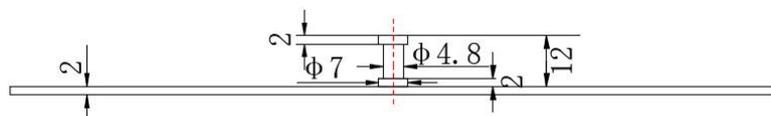
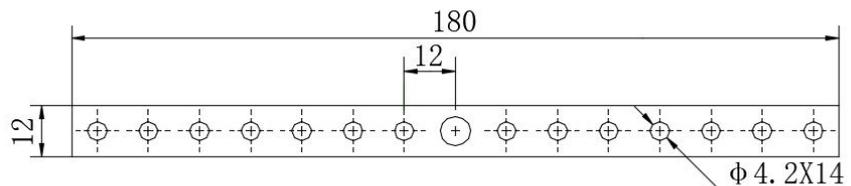
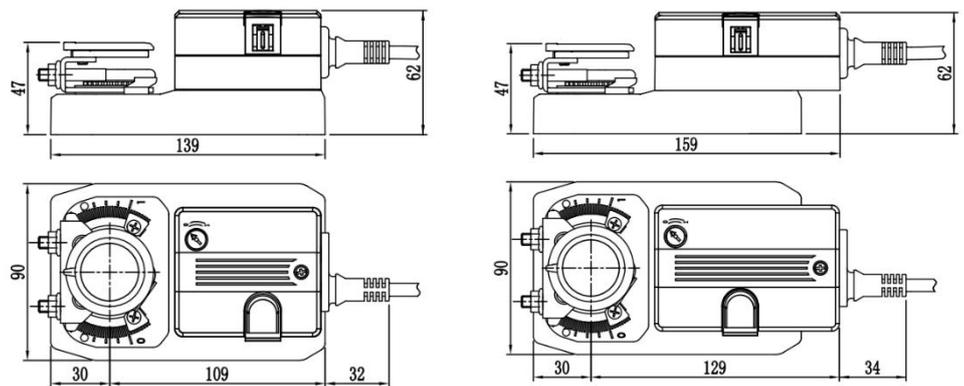
Unit: mm

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

EA700-10/20 Shape and Mounting Dimensions (mm)

EA700-10/20D24
EA700-10/20M24

EA700-10/20M24-S EA700-10/20D230-S
EA700-10/20D24-S EA700-10/20D230

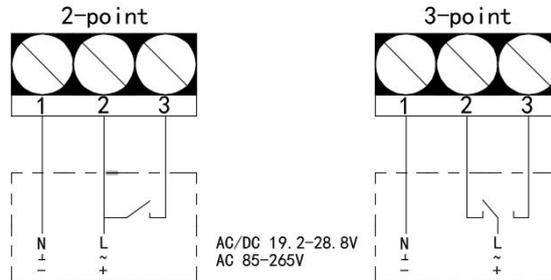


EA700 Series Damper Actuators Installation Diagram

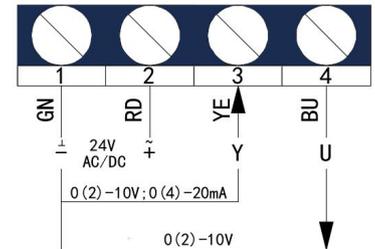
Wiring Diagram



ON/OFF

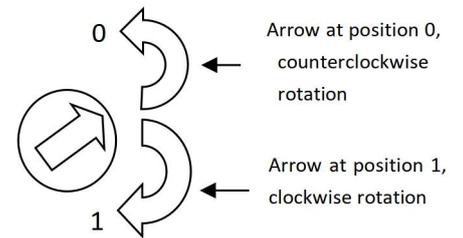
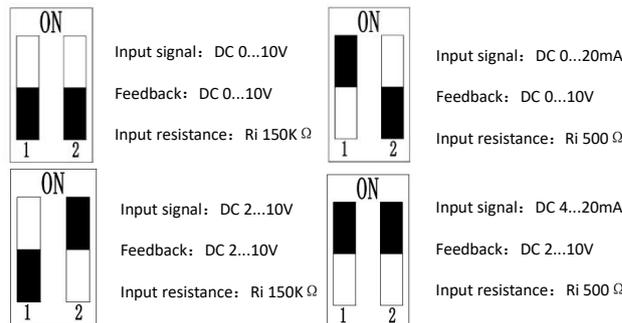


MODULATING



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

