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/DC 24V or AC 230V 50/60Hz, 2-point/3-point, D

AC/DC 24V 50/60Hz, 0(2)-10V or 0(4)-20mA, M

Product Code Description：

EA700 - X X X - X

- Auxiliary function："S" for auxiliary switch
- Nominal voltage: "24" for AC/DC 24V 50/60Hz；"230" for AC 230V 50/60Hz
- Control type："D" on/off；"M" modulating
- Torque：2Nm, 5Nm, 10Nm, 20Nm, 30Nm, 40Nm
- Actuators for general applications

EA700 Series Standard Damper Actuators

40Nm Model Selection

Model	Torque	Running Time	Nominal Voltage	Auxiliary Function
EA700-40D24	40Nm	100s	AC/DC 24V	None
EA700-40D230			AC 230V	
EA700-40M24			AC/DC 24V	
EA700-40D24-S			AC/DC 24V	Auxiliary Switches
EA700-40D230-S			AC 230V	
EA700-40M24-S			AC/DC 24V	

Technical Specifications

Model		EA700-40D24	EA700-40D230	EA700-40M24
		EA700-40D24-S	EA700-40D230-S	EA700-40M24-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 Consumption	running	5W		
	holding	0.7W	1W	0.7W
Cable Specification		On/Off Type: 1m cable 3*0.75mm²; Modulating Type: 1m cable 4*0.5mm²; Feedback Signal: 1m cable 6*0.5mm²		
General Parameters				
Torque		40Nm		
Damper Size		8m²		
Running Time		100s		
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℃		
Ambient Humidity		5~95%RH		
Storage Temperature		-40~+80℃		
Dimension/Weight/Other				
Shaft		12-26.7mm；If the size of the damper shaft is small, use shaft spacer 6		
Weight		1.4Kg		
Certificate		CE、UL、UKCA、RoHS		

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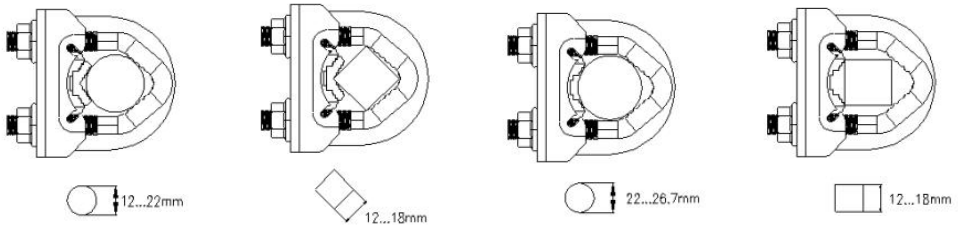
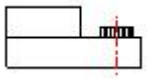
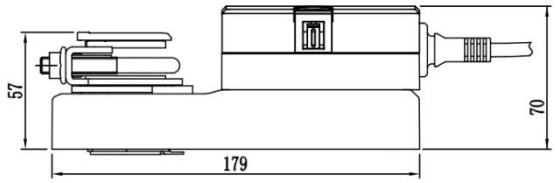
EA700-30/40 Shaft Dimensions

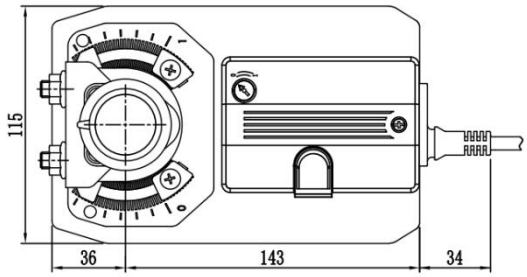


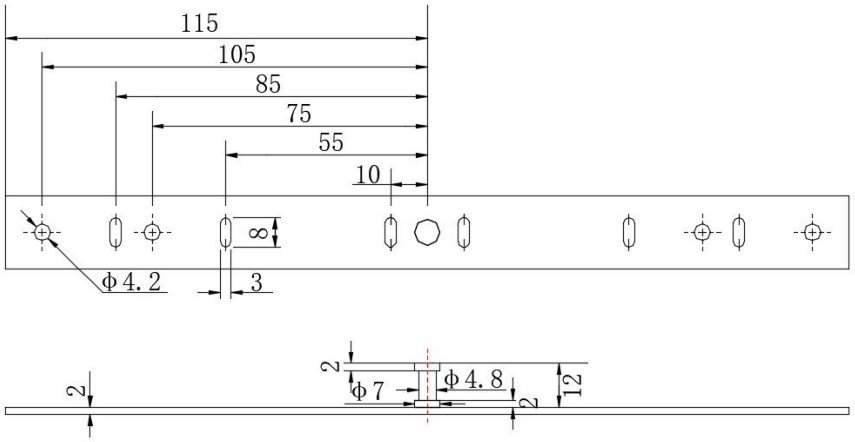
Unit： mm

Throttle Axis	Length			
	⩾52	12…..26.7	⩾12	⩽26.7

EA700-30/40 Shape and Mounting Dimensions（mm）



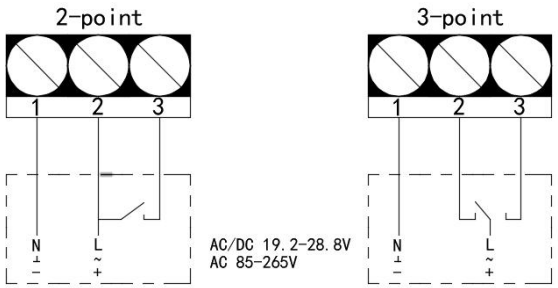




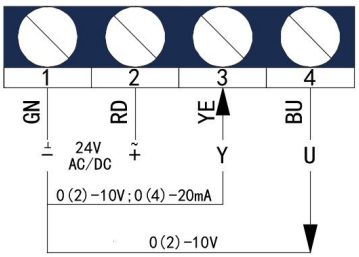
EA700 Series Damper Actuators Installation Diagram

Wiring Diagram

ON/OFF

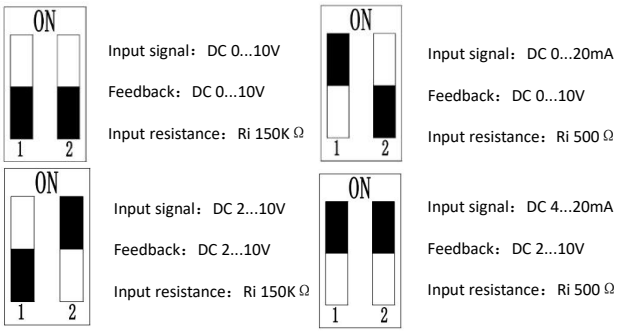


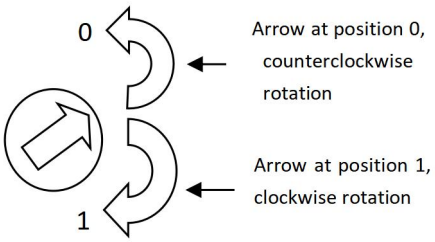
MODULATING



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