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

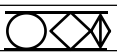
- Auxiliary function："L" for low noise；"SL" for low noise with auxiliary switch
- Nominal voltage："24" for AC/DC 19.2-28.8V；"230" for AC 85-265V
- Control type："D" for on/off；"M" for modulating
- Torque：2Nm, 5Nm, 10Nm
- Actuators for general applications

EA700 Series Low Noise Damper Actuators

5Nm Model Selection Chart

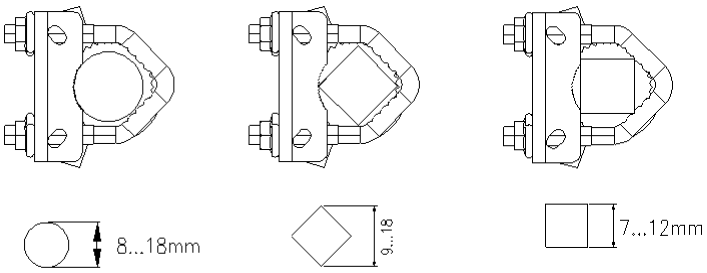
Model	Torque	Running Time	Nominal Voltage	Auxiliary Function
EA700-5D24-L	5Nm	150s	AC/DC 24V	None
EA700-5D230-L			AC 230V	
EA700-5M24-L			AC/DC 24V	
EA700-5D24-SL			AC/DC 24V	Auxiliary Switches
EA700-5D230-SL			AC 230V	
EA700-5M24-SL			AC/DC 24V	

Technical Parameters

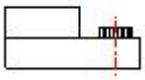
Model		EA700-5D24-L	EA700-5D230-L	EA700-5M24-L
		EA700-5D24-SL	EA700-5D230-SL	EA700-5M24-SL
Electrical Parameters				
Nominal Voltage		AC/DC 24V 50/60Hz	AC 230V 50/60Hz	AC/DC 24V 50/60Hz
Voltage Range		AC/DC19.2-28.8V	AC 85-265V	AC/DC19.2-28.8V
Power Consumption	running	1.5W		
	holding	0.7W		
Cable Specification		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		5Nm		
Damper Size		1m²		
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℃		
Ambient Humidity		5~95%RH		
Storage Temperature		-40~+80℃		
Dimension/Weight/Other				
Shaft		 8-18mm		
Weight		0.5Kg		
Certificate		CE、UKCA、RoHS		

EA700 Series Low Noise Damper Actuators

EA700-2/5 Shaft Dimensions



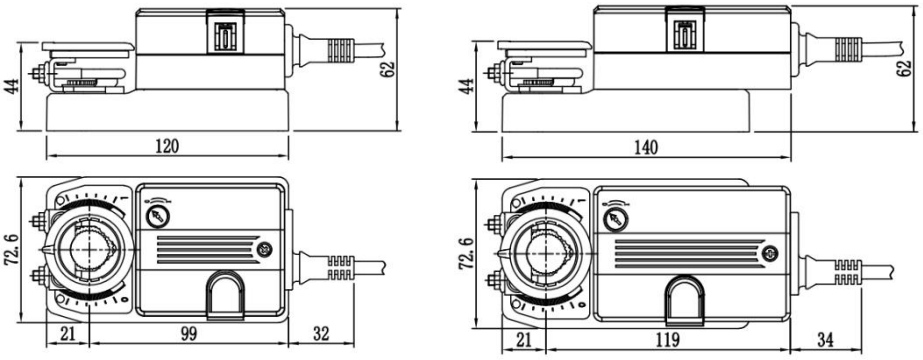
Unit： mm

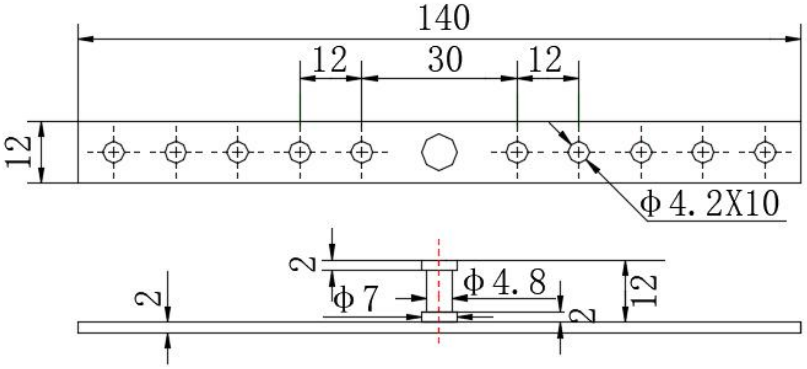
Throttle Axis	Length			
	⩾40	8...18	⩾7	⩽18

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

EA700-2/5D24-L
EA700-2/5M24-L

EA700-2/5M24-SL **EA700-2/5D230-SL**
EA700-2/5D24-SL **EA700-2/5D230-L**

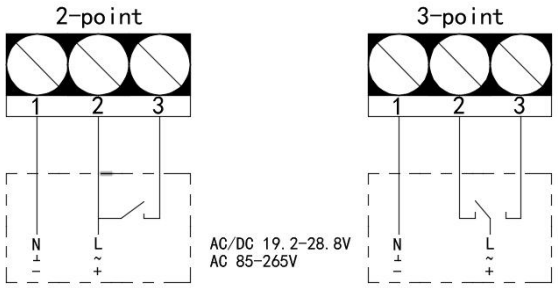




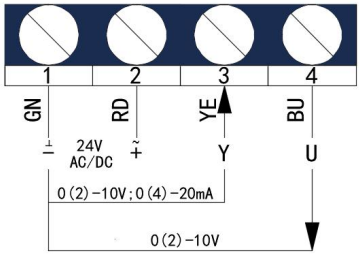
EA700 Series Damper Actuators Installation Diagram

Wiring Diagram

ON/OFF

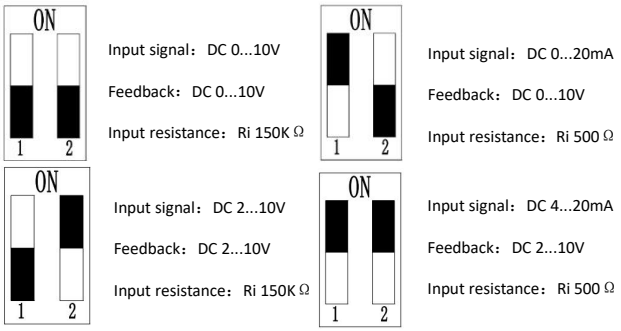


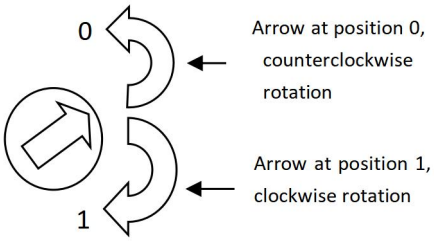
MODULATING



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