

EA700 Series Standard Damper Actuators



Designed for damper control within HVAC systems.

Torque:

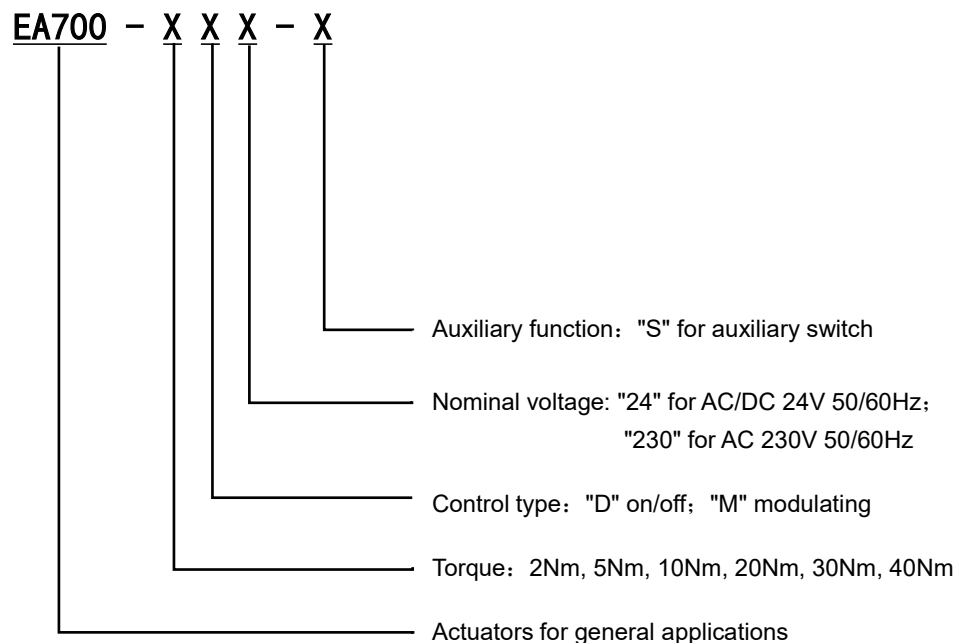
2Nm, 5Nm, 10Nm, 20Nm, 30Nm, 40Nm

Nominal Voltage and Control Type:

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

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

Product Code Description:



EA700 Series Standard Damper Actuators

2Nm Model Selection

Model	Torque	Running Time	Nominal Voltage	Auxiliary Function
EA700-2D24	2Nm	35s	AC/DC 24V	None
EA700-2D230			AC 230V	
EA700-2M24			AC/DC 24V	
EA700-2D24-S			AC/DC 24V	Auxiliary Switches
EA700-2D230-S			AC 230V	
EA700-2M24-S			AC/DC 24V	

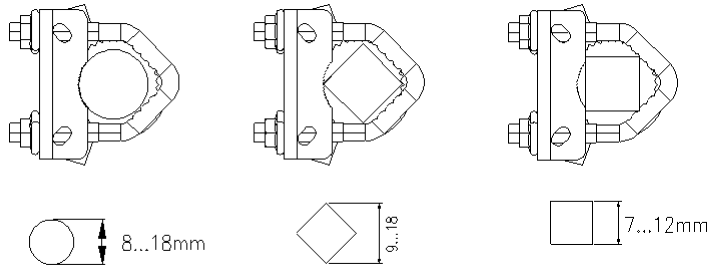


Technical Specifications

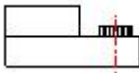
Model		EA700-2D24	EA700-2D230	EA700-2M24
		EA700-2D24-S	EA700-2D230-S	EA700-2M24-S
Electrical Parameters				
Nominal Voltage		AC/DC 24V 50/60Hz	AC 230V 50/60Hz	AC/DC 24V 50/60Hz
Voltage Range		AC/DC 19.2-28.8V	AC 85-265V	AC/DC 19.2-28.8V
Power	running	1.5W		
Consumption	holding	0.7W		
Cable Specification		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		2Nm		
Damper Size		0.5m²		
Running Time		35s		
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		 8-18mm		
Weight		0.5Kg		
Certificate		CE、UL、UKCA、RoHS		

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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

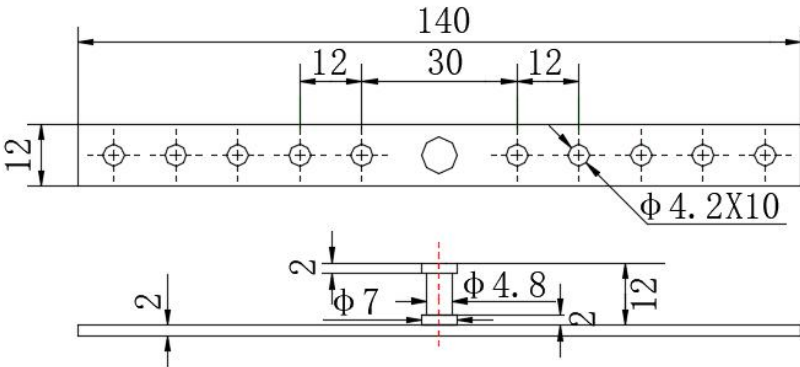
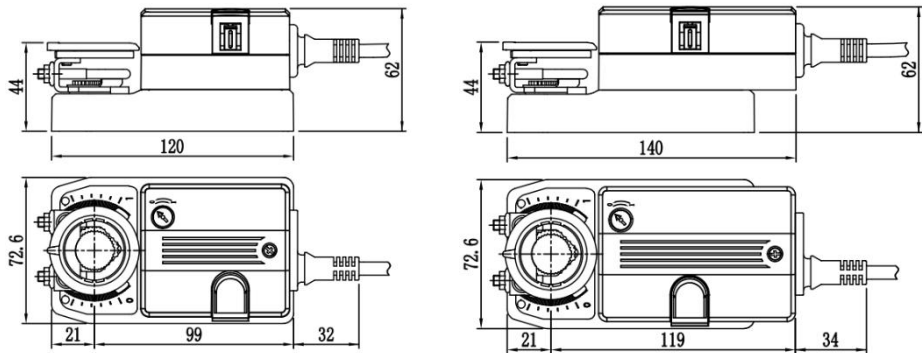
EA700-2/5M24-S

EA700-2/5D230-S

EA700-2/5M24

EA700-2/5D24-S

EA700-2/5D230

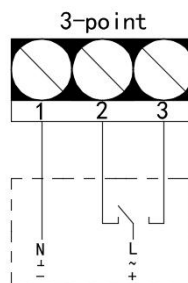
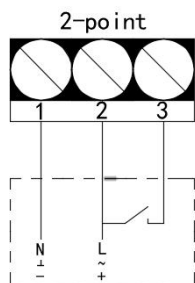
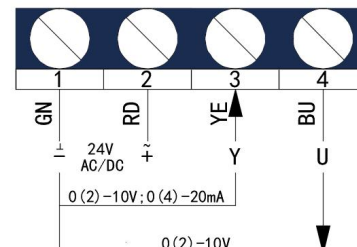


EA700 Series Damper Actuators Installation Diagram

Wiring Diagram

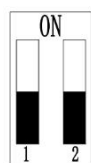
ON/OFF

MODULATING


AC/DC 19.2-28.8V
AC 85-265V


Control signal and Input resistance

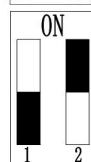
According to on-site needs, the position of the SW1 dial switch in the circuit board can be adjusted to achieve the conversion of control signals and feedback signals, as shown in the following figure.



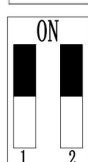
Input signal: DC 0...10V
Feedback: DC 0...10V
Input resistance: Ri 150K Ω



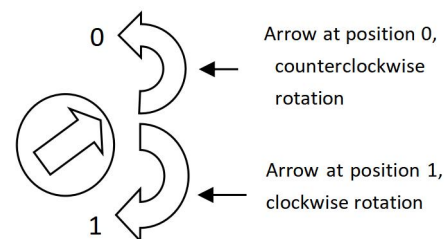
Input signal: DC 0...20mA
Feedback: DC 0...10V
Input resistance: Ri 500 Ω



Input signal: DC 2...10V
Feedback: DC 2...10V
Input resistance: Ri 150K Ω



Input signal: DC 4...20mA
Feedback: DC 2...10V
Input resistance: Ri 500 Ω



Auxiliary Switch Description

