

EA700 Series Spring Return Damper Actuators

Designed for damper control within HVAC systems.

Torque:

3.5Nm, 5Nm, 10Nm, 15Nm, 20Nm

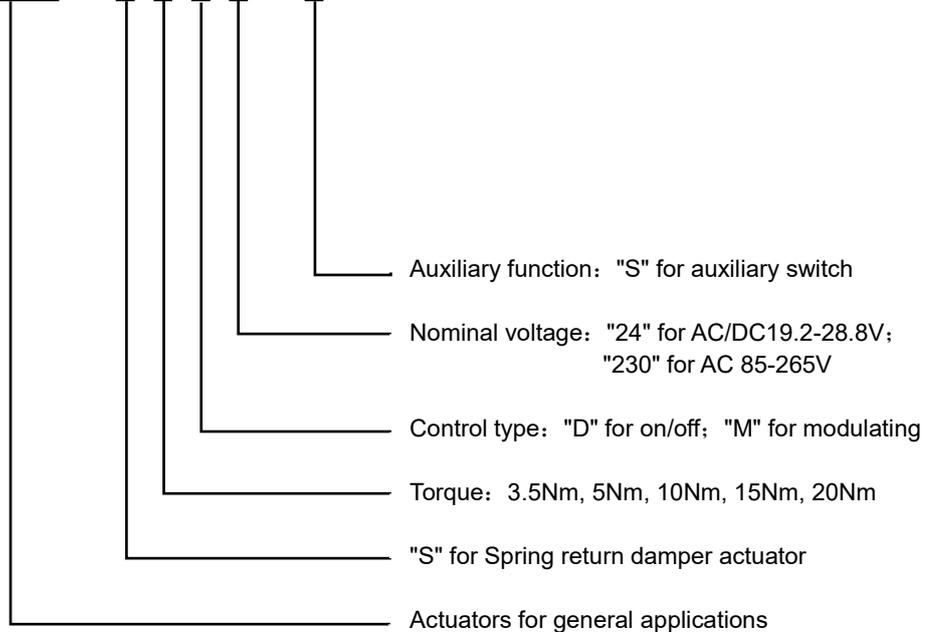
Nominal Voltage and Control Type:

AC/DC19.2-28.8V or AC85-265V, 2-point, D

AC/DC19.2-28.8V, 0-10V, M

Product Code Description:

EA700 - X X X X - X



EA700 Series Spring Return Damper Actuators

20Nm Model Selection Chart



Model	Torque	Running Time	Nominal Voltage	Auxiliary Function
EA700-S20D24	20Nm	Motor < 130s; Spring Return < 30s	AC/DC 24V	None
EA700-S20D230			AC 230V	
EA700-S20M24			AC/DC 24V	
EA700-S20M24-S			AC/DC 24V	Auxiliary Switches
EA700-S20D230-S			AC 230V	
EA700-S20D24-S			AC/DC 24V	

Technical Parameters

Model	EA700-S20D24	EA700-S20D230	EA700-S20M24
	EA700-S20D24-S	EA700-S20D230-S	EA700-S20M24-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	7W	
Consumption	holding	2.5W	
Cable Specification	On/Off Type: 1m cable 2*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	motor < 130s; spring return < 30s		
Control Type	2-point on/off	0-10V modulating	
Rotation Angle	0~90° (93°max.)		
Rotation Direction	selectable by L/R mounting		
Position Feedback	available with 2 auxiliary switches		
Life Cycle	≥70000		
Noise Level	50dB and 62dB		

Working Environment

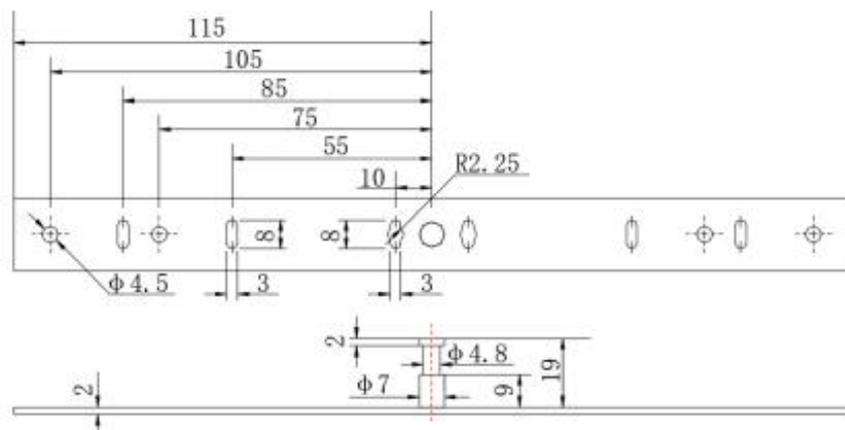
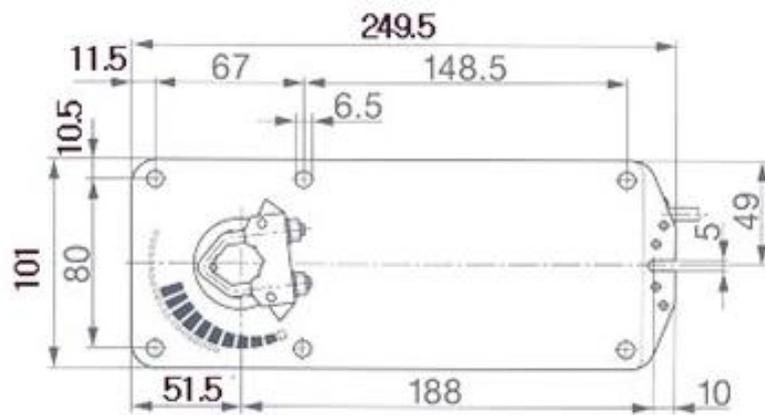
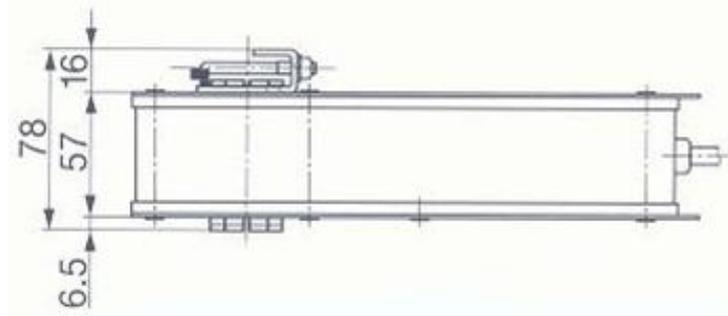
Protection Class	II / III		
Protection Level	IP54		
Ambient Temperature	-30~+55°C		
Ambient Humidity	5~95%RH		
Storage Temperature	-40~+80°C		

Dimension/Weight/Other

Shaft	 10-20mm; If the size of the damper shaft is small, use shaft spacer 4		
Weight	2.4Kg		
Certificate	CE、UL、UKCA、RoHS		

EA700 Series Spring Return Damper Actuators

EA700-S10/15/20 Shape and Mounting Dimensions (mm)

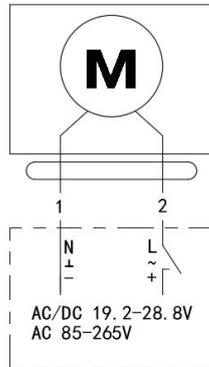


EA700 Series Spring Return Damper Actuators

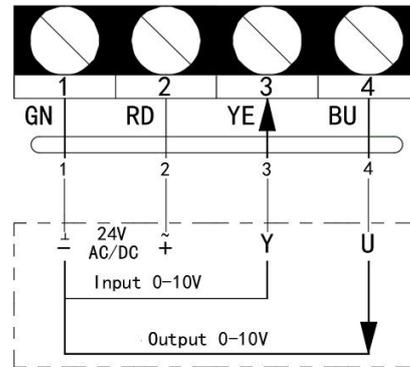
Wiring Diagram



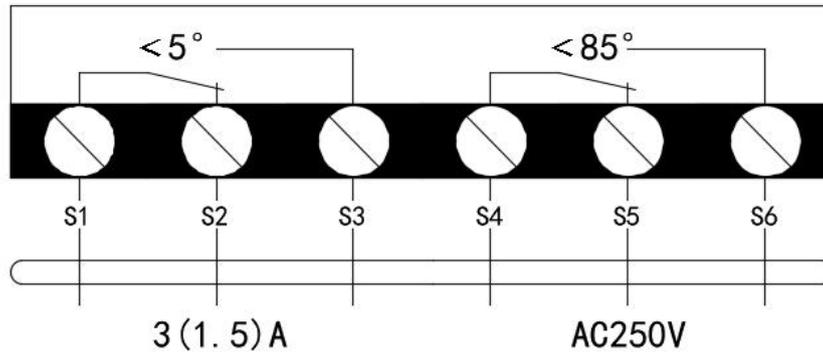
On/off



Modulating



Auxiliary Switch



1. The installation must be carried out by personnel who have received relevant training or relevant work experience. During the installation process, be careful not to operate with power on, and install the actuator according to the regulations.
2. The device contains electrical and electronic accessories, so it is prohibited to dispose of it as ordinary garbage after the product is scrapped. The disposal method should comply with the regulations and requirements of the local government.