

EA700 Series Spring Return Damper Actuators

Designed for damper control within HVAC systems.



Torque:

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

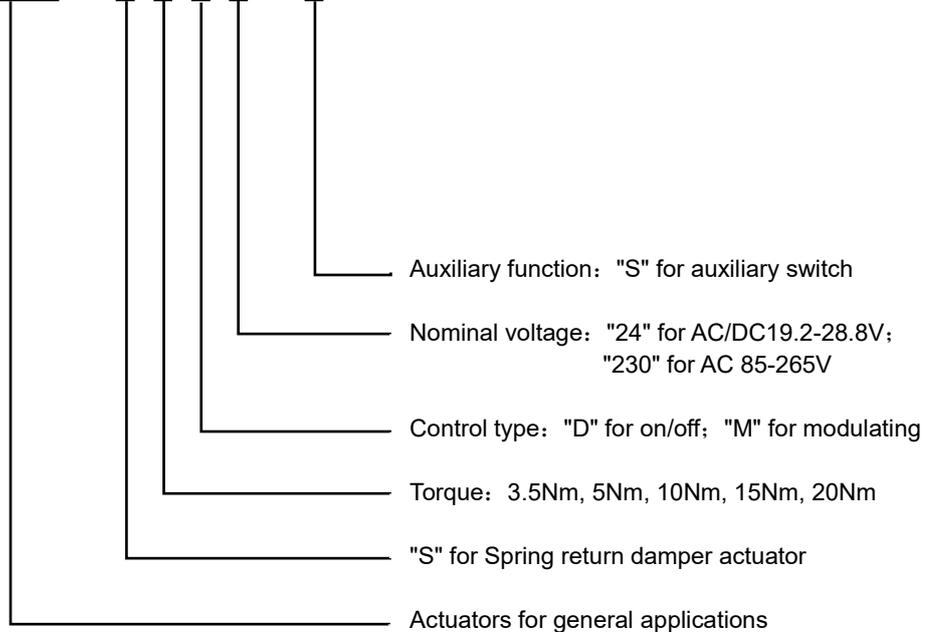
Nominal Voltage and Control Type:

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



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10Nm Model Selection Chart



| Model | Torque | Running Time | Nominal Voltage | Auxiliary Function |
|-----------------|--------|--------------------------------------|-----------------|--------------------|
| EA700-S10D24 | 10Nm | Motor < 100s; Spring Return < 30s | AC/DC 24V | None |
| EA700-S10D230 | | | AC 230V | |
| EA700-S10M24 | | Motor < 120s; Spring Return < 30s | AC/DC 24V | |
| EA700-S10M24-S | | | AC/DC 24V | |
| EA700-S10D230-S | | Motor < 100s; Spring Return < 30s | AC 230V | |
| EA700-S10D24-S | | | AC/DC 24V | |

Technical Parameters

| Model | EA700-S10D24 | EA700-S10D230 | EA700-S10M24 |
|-------|----------------|-----------------|----------------|
| | EA700-S10D24-S | EA700-S10D230-S | EA700-S10M24-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 | 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 | 10Nm | | |
| Damper Size | 2m ² | | |
| Running Time | motor < 100s; spring return < 30s | motor < 120s; 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

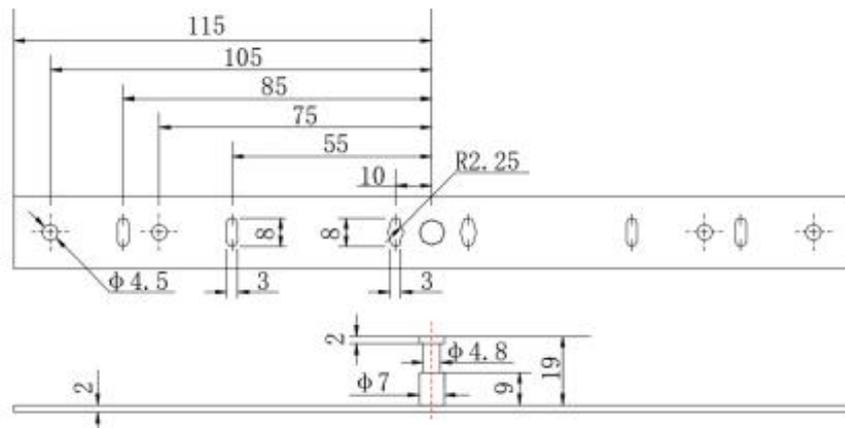
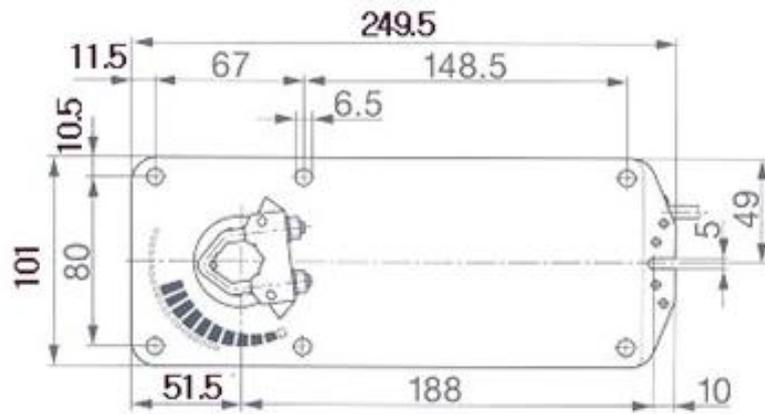
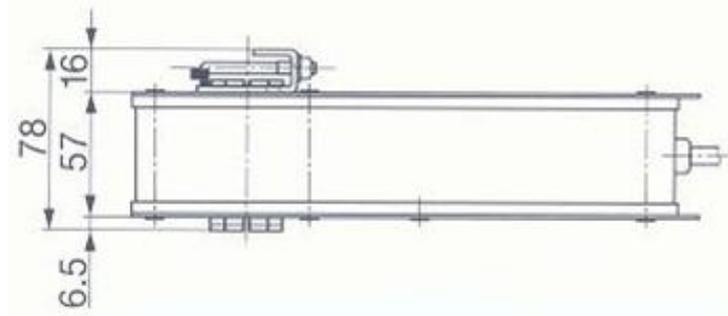
| | | | |
|---------------------|-----------|--|--|
| Protection Class | II/III | | |
| Protection Level | IP54 | | |
| Ambient Temperature | -30~+55°C | | |
| Ambient Humidity | 5~95%RH | | |
| Storage Temperature | -40~+80°C | | |

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 | | |

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

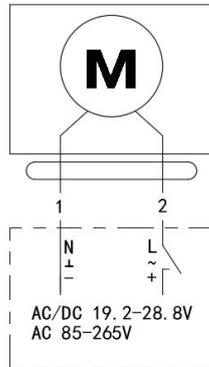


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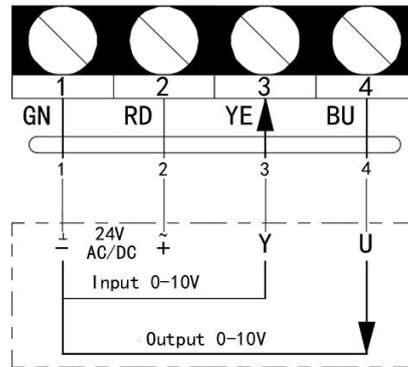
Wiring Diagram



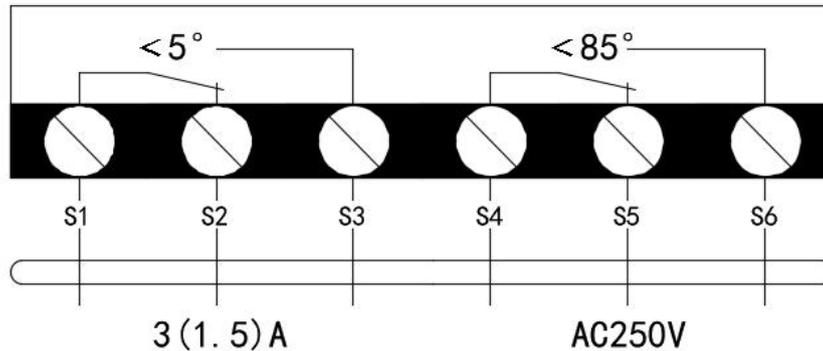
On/off



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.