ENLENIDA®

Product Application Reference

Rotary Air Damper Actuators

EDAO71-02/05 Nm Series On/Off Damper Actuators

Summary

EDAO71-02/05 series On/Off Damper Actuators are designed specifically for applications in the HVAC and light industrial markets.

Features

- Torque 2 Nm / 5 Nm
- Damper size 0.5m^2 / 1.0m^2
- Power Supply AC/DC 24V and 220/230V
- Control Signal 2 Point and 3 Point
- 1 adjustable auxiliary switch
- Shaft dimensions 8 to 18mm round, 7 to 12 mm square
- Minimum shaft length 40mm
- Selectable direction of rotation
- Adjustable angle of rotation
- Actuator with 1000mm cable connection
- Customer's version available on request

Specifications

Model	EDAO71-02	EDAO71-05
Torque	2Nm	5Nm
Damper Area	0.5m^2	1m^2
Running Time	70sec	90sec
Power Supply	AC24V; DC24V; AC220/230V	
Frequency	50/60Hz	
Operating Power Consumption	1.5W (24V); 1.5W (220V/230V)	
Inactive Power Consumption	0.4W (24V); 0.4W (220V/230V)	
Wiring Size	7.5VA	
Weight	0.5kg	
Control Signal	2 point and 3 point	
Rotation Angle	0 ~ 90°	
Limit Angle	5 ~ 85° (5° per step)	
Auxiliary Switch Rating	3 (1.5) Amp 230V	
Life Cycle	60,000 rotation	
Sound Level	45dB(A)	
Protection Class	II	
IP Protection	IP54	
Operating Temperature	-20 ~ +50°C	
Non-operating Temperature	-30 ~ +60°C	
Ambient Humidity	5 ~ 95%RH	
Storage	-40 ~ +70°C	
Certificate	CE	

Ordering code

EDAO 71 XX X X

- S: Auxiliary Switch
- Voltage Supply: 1:24V, 2: 220/230V
- Torque (Nm): 2Nm, 5Nm
- O: On/Off (Digital)

CE Compliance EMC (89/336/EEC) according to the standard EN73/23/EEC and 93/68/EEC.

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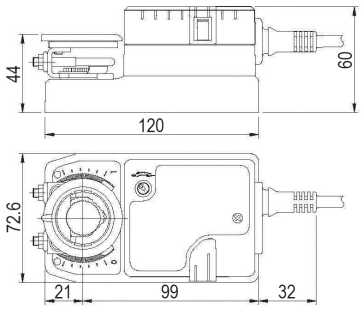
Dimensions (mm)

EDAO/EDAM71-02/05 Nm Series Damper Actuators

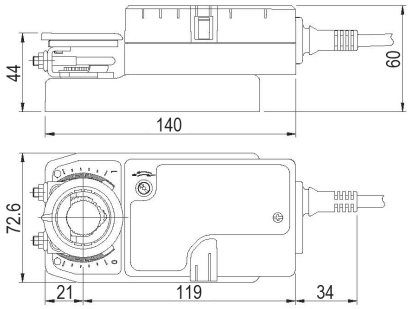
Dimension

EDAO/EDAM 71-02/05Nm (On/Off & Modulating) Damper Actuators

24V



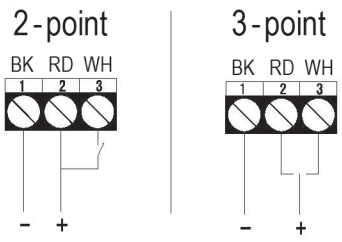
220/230V



Wiring diagram

EDAO71-02/05Nm (On/Off) Damper Actuators

24V



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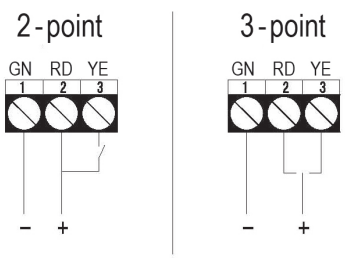
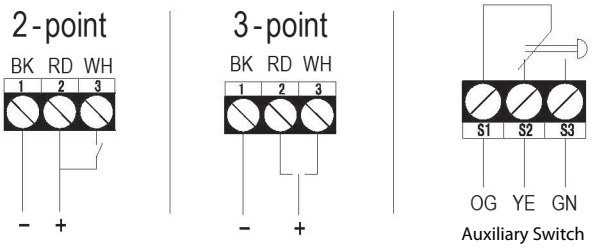
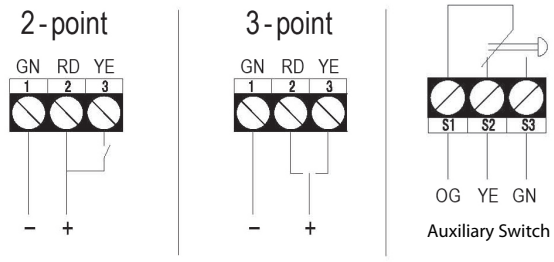


EDAO/EDAO(S)71-02/05Nm (On/Off with Auxiliary Switch) Damper Actuators

24V

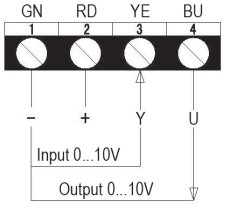


220/230V

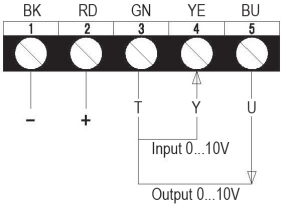


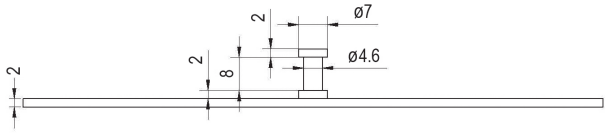
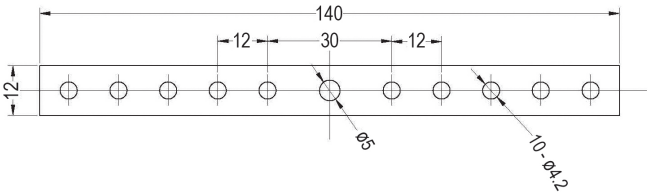
EDAM71-02/05Nm (Modulating) Damper Actuators

24V



220/230V



Installation of Bracket

EDAO/EDAO(S)/EDAM 71-02/05Nm Damper Actuators