ENLENIDA®

EFAO series Fire Smoke Damper Actuators

Summary

ENLENIDA EFAO6108 Nm damper actuator Series are designed specifically for Fire and Smoke application. Enlenida high quality damper actuators are developed for use with fire and smoke damper. The actuator motorized the damper or other devices when power on and spring back to it original position when power is cut off or trip by the thermal sensor.

Features

- 2 points on/off control
- Damper Size up to 1.5 m²
- Voltage AC/DC 24V and AC 230V available
- Shaft dimension Form Fit 12mm square
- Adapter supplied for Form Fit 8 or 10 mm square
- Manual Over ride by crank handle when required
- Anti-rotation bracket provided for stability
- Selectable direction of rotation by reversing actuator
- 2 SPDT Fixed auxiliary switches as Standard
- Energy saving at end stops
- Actuators with 1m cable connection
- Thermal Sensor when requested
- Customised version available on request

Model Selection Table

Torque	Running Time	Power Supply	Auxiliary Switches	Model/Type	Thermal Sensor
8 Nm	75-95 sec	AC/DC 24 V	2 x SPDT	EFAO6108-1	No
	Springback < 25 sec			EFAO6108-1S	Yes
8 Nm	75-95 sec	AC 230 V ±10%	2 x SPDT	EFAO6105-3	No
	Springback < 25 sec			EFAO6105-3SF	Yes

Specifications

Model	EFAO6108-1(S)	EFAO6108-3(S)
Torque — Motor (Rated Voltage)	Min. 8 Nm	Min. 8Nm
— Spring	Min. 8 Nm	Min. 8Nm
Damper Size	1.5 m²	1.5 m²
Power Supply	AC/DC 24 V	AC 230V
Frequency	50...60Hz	50...60Hz
Power Consumption		
-Operating	7.0 W	8.0 W
-At the end stops	2.0 W	5.5 W
For wire sizing	10.0 VA	10.0 VA
Auxiliary Switches Rating (Amp and Voltage)	3 (1.5) A / 230 V (for 24 V and 230 V)	3 (1.5) A / 230 V (for 24 V and 230 V)
Protection Class	II (for 24 V and 230 V)	II (for 24 V and 230 V)
Controls Signal	2 Point On/Off	2 Point On/Off
Angle of Rotation	90˚ (95˚ mechanical)	90˚ (95˚ mechanical)
Thermal Temperature Trip	>72˚ Celsius	>72˚ Celsius
Weight	2.2 Kg	2.3 Kg
Life Cycle	60,000 rotation	60,000 rotation
Sound Level	Below 45 dB	Below 45 dB
IP Protection	IP54	IP54
Ambient Temperature	-20˚...50˚ as per IEC 721-3-3	-20˚...50˚ as per IEC 721-3-3
Ambient Humidity	5...95% RH	5...95% RH
Inventory Temperature	+70˚ as per 721-3-2	+70˚ as per 721-3-2
Maintenance	Maintenance free	Maintenance free
Certification	CE	CE
	EN / EEC… Requirements	EN / EEC… Requirements

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