



- NENUTEC NAFA...08 (S) 5 Nm Spring Return damper actuator Series are designed specifically for application into the HVAC market or light industrial market and telecommunication module.
- NENUTEC high quality spring return damper actuators are developed for use with air damper, butterfly valve, characterized ball valve with the use of special adaptor.

### **Product Features**

- 2 points on/off control
- Damper Size up to 1.0 m<sup>2</sup>
- Voltage AC/DC 24V and AC 230V available
- Universal Spindle Clamp for easy direct mounting
- Shaft dimension Ø10...16 mm / 7...11 mm square
- Minimum Shaft Length 40mm
- Anti-rotation bracket provided for stability
- Adjustable angle of rotation
- Selectable direction of rotation by reversing actuator
- 1 adjustable SPDT auxiliary switches when requested

#### **Model Selection Table**

Torque	Running Time	Power Supply	Auxiliary Switches	Model/Type
8 Nm	70 sec	AC/DC 24V	No	NAFA 1-08
	Spring Back <25 sec		1 x SPDT	NAFA 1-08S
8 Nm	70 sec	AC 230V ±10%	No	NAFA 2-08
	Spring Back <25 sec		1 x SPDT	NAFA 2-08S



**Rotary Damper Actuator** 

- Spring Return 8 Nm
- 2 Point on/off Control

## Actuator Dimensions (mm)



# **Technical Specification**

	NAFA 1-08 (S)	NAFA 2-08 (S)		
Torque	8 Nm			
Damper Size	1.5 m²			
Power Supply	AC/DC 24 V	AC 230 V ±10%		
Frequency	5060Hz			
Power Consumption				
-Operating	7.0 W	8.0 W		
-At the end stops	2.0 W	5.5 W		
For wire sizing	8.0 VA			
Auxiliary Switches Rating (Amp and Voltage)	3 (1.5) A / 230 V (for 24 V and 230 V)			
Protection Class	II (for 24 V and 230 V)			
Controls Signal	2 Point On/Off			
Angle of Rotation	-5+90° (mechanical)			
Angle of Rotation Limiting	Mechanical end stops			
Weight	2.2 Kg			
Life Cycle	60,000 rotation			
ind Level Max. 45 dB (A)		5 dB (A)		
Protection IP54				
nbient Temperature -20°+50°C / IEC 721-3-3		; / IEC 721-3-3		
ventory Temperature -30°+60°C / IEC 721-3-2				
nbient Humidity 595% rH non condensing				
Maintenance	Mainter	Maintenance free		
Impact	Typ I / EN 60730-1			
Standardize	89/3	89/336/CE		



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2 Point on/off Control



### **OEM Customised Version on Request**

TELIMA/NENUTEC offers you actuators in customised versions, e.g. with your own brand name, with colourcoordinated applications and with your particular demand. Please contact us for further information.

## **Important Remark**

Consult NENUTEC representatives for specific requirements and material selections for your intended application.

AC / DC 24 V: Connect via safety isolating transformer.

AC 230 V: To isolate from the main power supply, the system must incorporate a device which disconnects the phase conductor (with at least a 3 mm contact gap).

This actuator includes electrical and electronic components and may not be disposed as household garbage. Please consider the local valid legislation.

#### Main Office :

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The performance specifications are nominal and conform to acceptable industry standards. NENUTEC shall not be liable for damages resulting from misapplication or misuse of its products.