

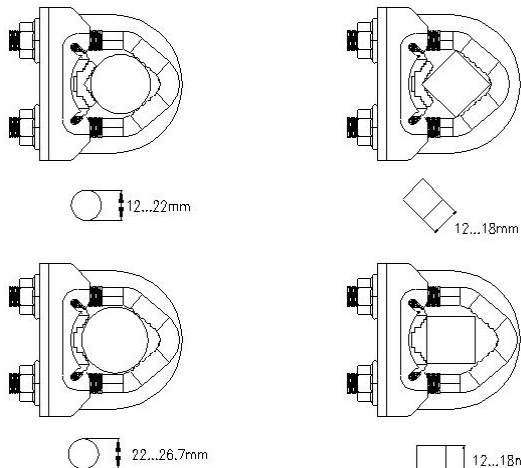
# S8081-30/40 Series damper actuator

## Summary:





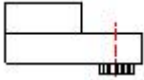
The damper actuator is specially designed for small and middle air damper and terminal control unit of air volume system. Due to the small size and flexible control, usually used in the space where is limited.



## Dimension:



Unit: mm

Throttle Axis	Length			
	≥ 52	22.....26.7	≥ 12	≤ 26.7
	≥ 20	22.....26.7	≥ 12	≤ 26.7

## Technical datasheet:

Item	Unit	S8081-30DN(F)	S8081-30AN(F)	S8081-40DN(F)	S8081-40AN(F)
Torque	Nm	30		40	
Damper area	m <sup>2</sup>	6		8	
Running time	sec	125~135		155~165	
Power supply	V	24VAC/DC; 110V-250VAC;			
Frequency	Hz	50/60			
Operation Power Consumption	W	5W (24V); 5W (230V)			
Standstill Power Consumption	W	0.4W (24V); 1W (230V)			
Wire size	VA	7.5			
Weight	Kg	1.4			
Control signal		On/off: 2/3 point		Modulating: 0~10V	
Rotation angle		0~90° (Max 93°)			
Limited angle		5~85° (Per Step 5°)			
Auxiliary switch rating		3 (1.5) Amp 250V			
Life cycle		70000			
Noise		45dB(A)			
Electric level		II			
IP protection		IP54			
Temperature		-20~+50°C			
Humidity		5~95%RH			
Storage temperature		-40~+70°C			
Certificate		CE & UL			

**Note: Power Supply for the Modulating only 24VAC/DC.**

## Wiring diagram:

On/off

2-point

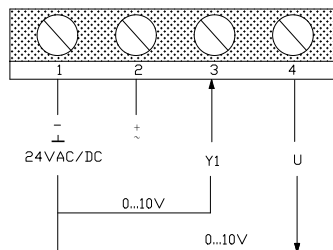


24VAC/DC  $\pm 10\%$   
230VAC  $\pm 10\%$

3-point

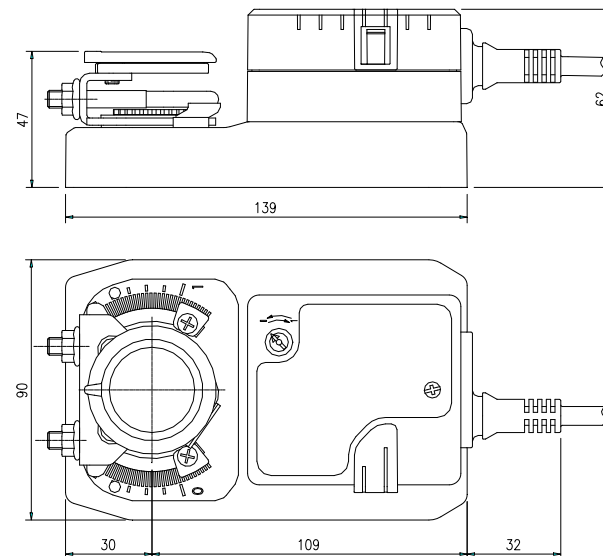


Modulating



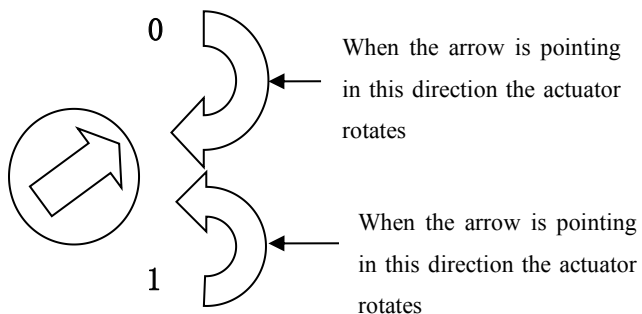
## Dimension:

24V

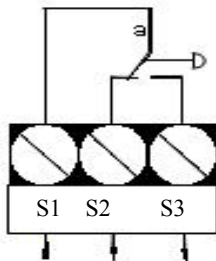


## Control Signal and Rotation Adjustment:

The damper actuator's rotation direction alters with the change of the pin's direction.



## Auxiliary switch:



3 (1.5) Amp 250V  
Actuator in 10° position

230V

