

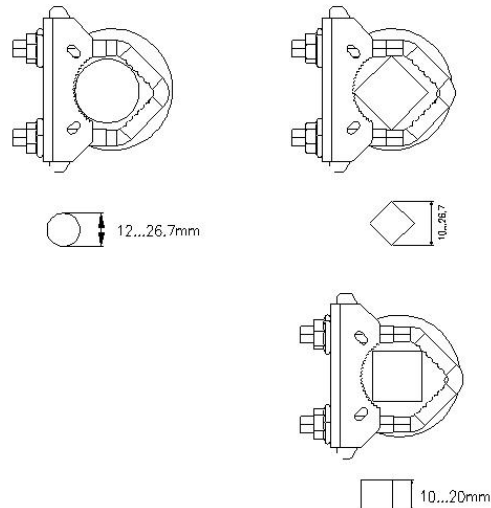
S8081-10/20 series damper actuator

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			
	≥ 42	12.....26.7	≥ 10	≤ 26.7
	≥ 20	12.....26.7	≥ 10	≤ 26.7

Technical datasheet:

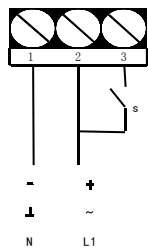
Item	Unit	S8081-10DN(F)	S8081-10AN(F)	S8081-20DN(F)	S8081-20AN(F)
Torque	Nm	10		20	
Damper area	m ²	2		4	
Running time	sec	70~80		125~135	
Power supply	V	24VAC/DC; AC110V-250V;			
Frequency	Hz	50/60			
Operation Power Consumption	W	2.5W (24V); 3.5W (230V)			
Standstill Power Consumption	W	0.4W (24V); 1W (230V)			
Wire size	VA	7.5			
Weight	Kg	0.9			
Control signal		On/off: 2/3 point		Modulating: 0~10V	
Rotation angle		0~90° (Mac 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 and UL			

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

Wiring diagram:

On/off

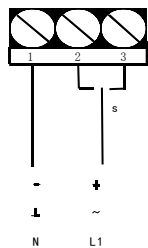
2-point



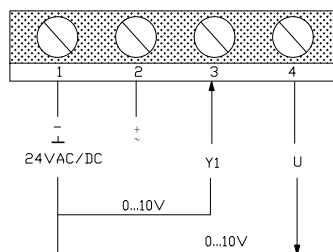
24VAC/DC $\pm 10\%$

230VAC $\pm 10\%$

3-point

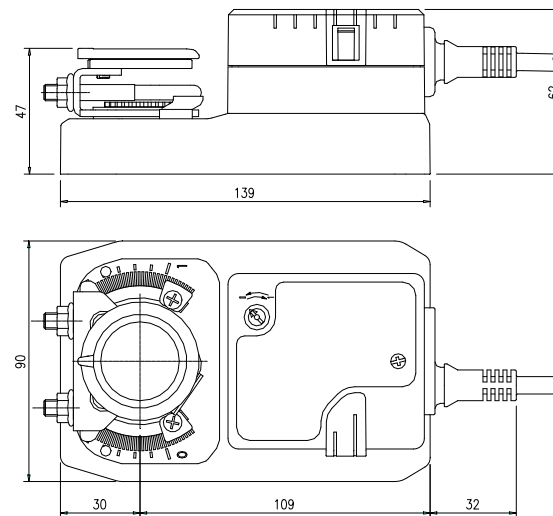


Modulating



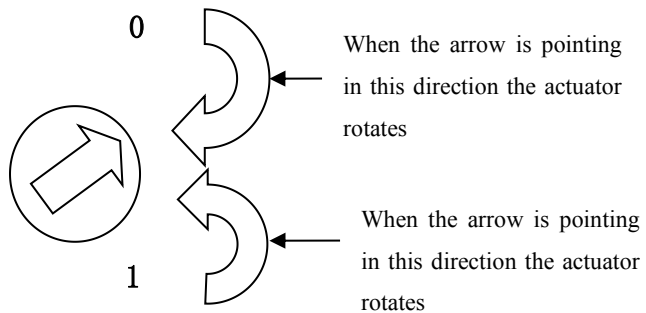
Dimension:

24V

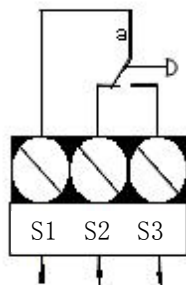


Control Signal and Rotation Adjustment:

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

