

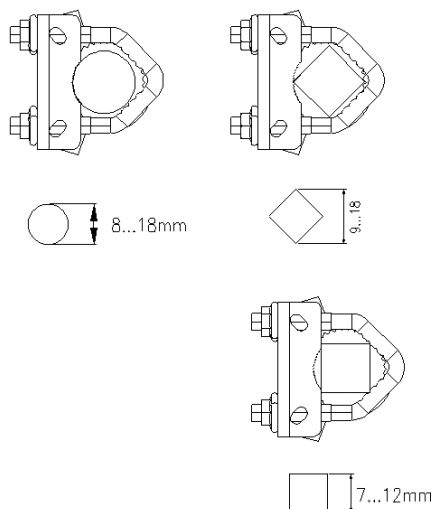
S8081-02/05 series damper actuator

Summary:

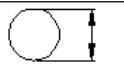
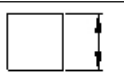
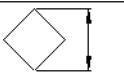
The damper actuator is specially designed for small and middle air damper and terminal control unit of air volume system. Due to the small size and flexible control, usually used in the space where is limited.



Dimension:



Unit: mm

Throttle Axis	Length			
	≥40	8.....18	≥7	≤18
	≥20	8.....18	≥7	≤18

Technical datasheet:

Item	Unit	S8081-02DN(F)	S8081-02AN(F)	S8081-05DN(F)	S8081-05AN(F)
Torque	Nm	2		5	
Damper area	m²	0.5		1	
Running time	sec	40~50		70~80	
Power supply	V	24VAC/DC; 110V-250VAC;			
Frequency	Hz	50/60			
Operation Power	W	1.5W（24V）; 1.5W（230V）			
Consumption					
Standstill Power	W	0.4W（24V）; 0.4W（230V）			
Consumption					
Wire size	VA	7.5			
Weight	Kg	0.5			
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℃			
Humidity		5~95%RH			
Storage temperature		-40~+70℃			
Certificate		CE UL			

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

Wiring diagram:

On/off

2-point



24VAC/DC $\pm 10\%$

230VAC $\pm 10\%$

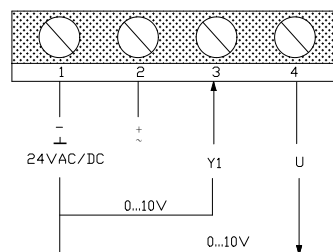
N L1

3-point



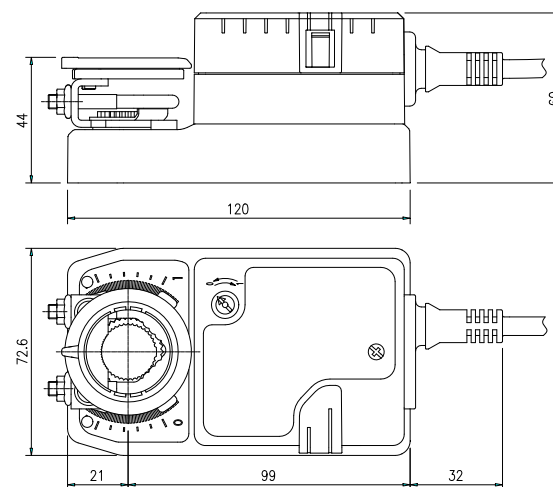
N L1

Modulating



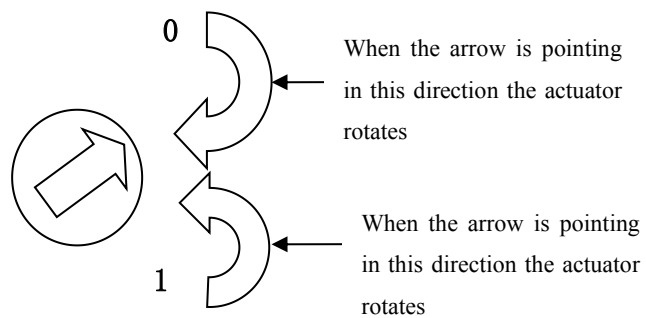
Dimension:

24V

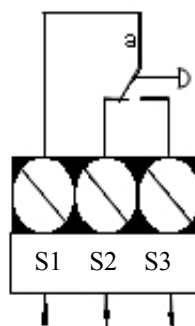


Control Signal and Rotation Adjustment:

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

