

S6061SF-20Nm series fire smoke damper actuator

Summary:

The S6061SF-20Nm fire smoke damper actuators are designed specifically for application in the HVAC and light industrial markets. By the change of input signal, the actuator can be controlled at any point. It can supply a feedback signal of 0-10V, after cut the power, the actuator can return by the spring.



Features:

- Control by 2/3 point or 0...10V
- Shaft size up to 12*12mm
- Two fixed auxiliary switches available
- On/off type with manual function
- Using fixed, compact and anti-impact steel shell
- With IP54 standard

Item	S6061SF-20DF(S)/24V	S6061SF-20DF(S)/230V	S6061SF-20AF/24V
Torque	20Nm		
Damper area	4m ²		
Power supply	24VAC/DC; 110-250VAC 50/60Hz,		
Operating Power Consumption	7W		
At end stops Power Consumption	2.5W		
Wire size	10VA		7VA
Connection cable	D type power: 1m cable 2*0.75 m ² A type power: 1m cable 4*0.5 m ²		
	Auxiliary switch (F): 1m cable 6*0.5 m ²		
	Thermal sensor (S): 1m cable 2*0.5 m ²		
Control signal	On/off		0~10V
Running time	motor≤130S; spring return≤30S		
Rotation angle	0~90° (Max 93°)		
Indicate	Mechanical indicator		
Weight	2.6Kg		
Life cycle	70000		
Noise	50dB(A) and 62dB(A)		
Electric level	III	II	III
IP protection	IP54		
Temperature	-20~+50℃		
Humidity	5~95%RH		
Standard	CE		

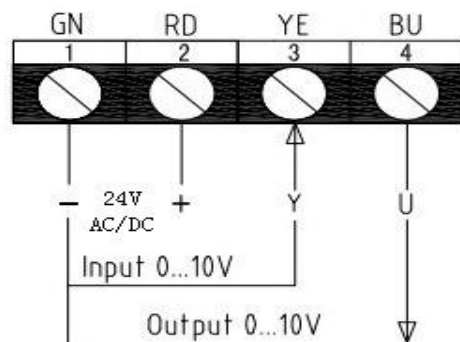
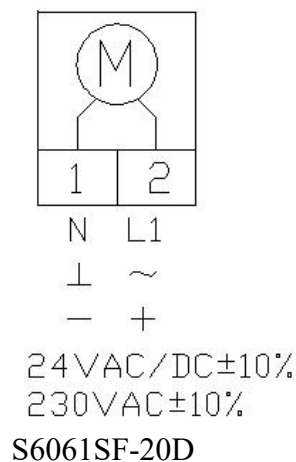
Note: The on/off type can match 72℃ thermal sensor and modulating without manual function.

Notice: manual operation instruction

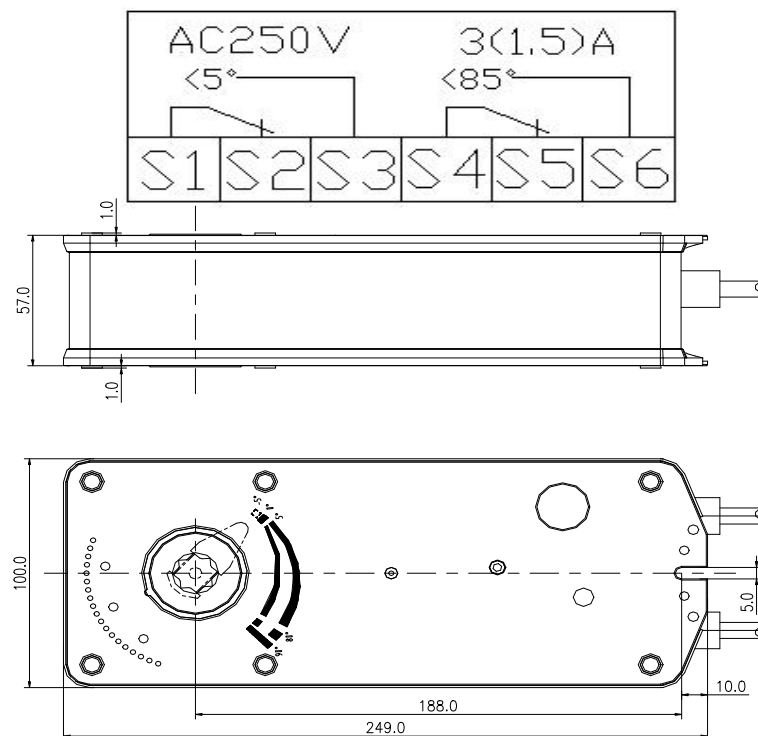
Insert the hand handle into the hex hole, smoothly and slowly turn around the handle by clockwise (or counter clockwise) rotation, according to the diagram of the product label. At the same time, the outputshaft will follow and turn by clockwise (or counter clockwise) rotation. When the outputshaft moves to the required position, then turn the handle conversely by counter clockwise rapidly (or clockwise) with 90 °C, (Should not use the manual lock while the turbine springs is bouncing back, otherwise, the fast reversing standstill locking part could bumps into the springs. And the result of manual lock-on system would be malfunctioned.) meanwhile the outputshaft will be blocked. Then turn slightly the handle by another clockwise (or counter clockwise), the outputshaft will move again.

[Attention]:Please do not operate manually when the actuator is speedily rebounding, otherwise it causes easily unlocking by manual or assembly damage.

Diagram and dimension:



Auxiliary switch:



72°C thermal sensor

Including: environment (TS1) and damper thermal sensor (TS2);
when the temperature over 72°C, TS1 will be cut;
when the pipe temperature over 72°C, TS2 will be cut.

