

S6061SF-10/15 series fire smoke damper actuator

Summary:

The S6061SF-10/15Nm 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-10DF(S)/24V	S6061SF-10DF(S)/230V	S6061SF-10AF/24V	S6061SF-15DF(S)/24V	S6061SF-15DF(S)/230V	S6061SF-15AF/24V
Torque	10Nm			15Nm		
Damper area	2m ²			3m ²		
Power supply	24VAC/DC; 230VAC 50/60Hz,					
Operating Power Consumption	5W			6W		
At end stops Power Consumption	2.5W			2.5W		
Wire size	10VA		7VA	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	On/off		0~10V
Running time	motor≤100S; spring return≤30S			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	III	II	III
IP protection	IP54					
Temperature	-20~+50℃					
Humidity	5~95%RH					
Standard	CE & UL					

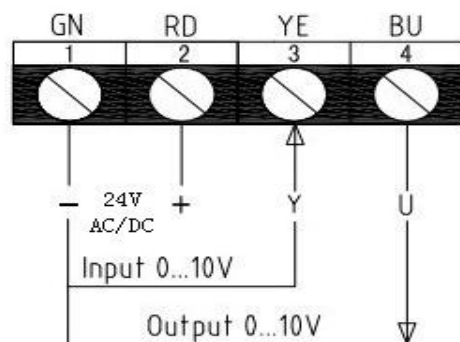
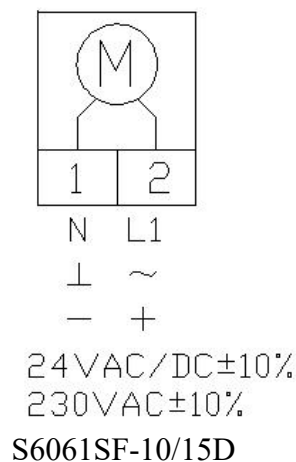
Note: The on/off type can match 72°C thermal sensor and modulating without manual function.

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.

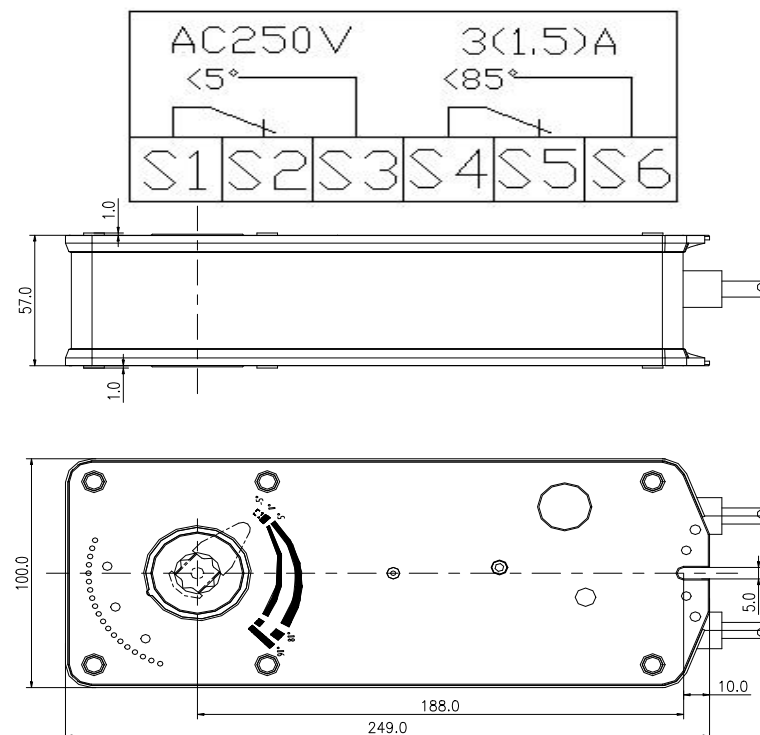
[Attention]:Please do not operate manually when the actuator is speedly rebounding, otherwise it causes easily unlocking by manual or assembly damage.

Diagram and dimension:



S6061SF-10/15A

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.

