

SDM-10 Series of Fire Smoke Damper Actuator



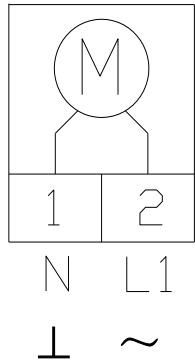
Intruction:

- Special designed for Fire and Smoke application.
- Lizard Controls high quality damper actuators are developed for use with fire and smoke damper. The actuator motorized the damper or other devices when power on and spring back to it original position when power is cut off or trip by the thermal sensor.

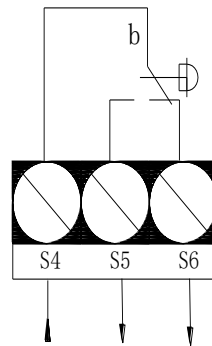
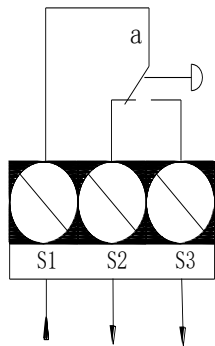
Characters:

- 2 points on/off control
- Voltage AC/DC 24V and AC 220V available
- Circular Shaft dimension Form Fit 10-19mm(diameter) or Square Shaft 10mm-16mm
- Manual Over ride by crank handle when required
- Anit-rotation bracket provided for stability
- Selectable direction of rotation by reversing actuator
- 2 SPDT Fixed auxiliary switches as Standard
- Energy saving at end stops
- Thermal Sensor when requested
- Customized version available on request

Models	SDM-10DF-1	SDM-10DFS-1	SDM-10DF-2	SDM-10DFS-2
Torque	10Nm			
Damper Size	2m ²			
Power Supply	AC/DC24V		AC220V	
Frequency	50...60Hz		50...60Hz	
Power Consumption	5W Operation/2.5W Stop		6.5W Operation /2.5W Stop	
For wire sizing	10VA			
Running Time	≤100second and Spring Back≤25second			
Electric Level	III (Safty Low Pressure)		II (Isolation)	
Controls Signal	2 Point on/off			
Rotation Angle	Max 93°			
Thermal Temperature Trip	>72° Celsius			
Weight	2.3 Kg			
Life Cycle	70, 000 cycles			
Noise Level	Motor Max 50dB(A);Spring Max 62dB(A)			
IP Protection	IP54			
Ambient	-30°...50° as per IEC 721-3-3			
Ambient Humidity	5...95% RH			
Inventory Temperature	+70° as per 721-3-2			
Maintenance	Maintenance free			
Certification	CE and ISO 9000 EN / EEC... Requirements			



AC220V
AC24V
DC24V



(3)Amp AC250V
Actuator at 0° position

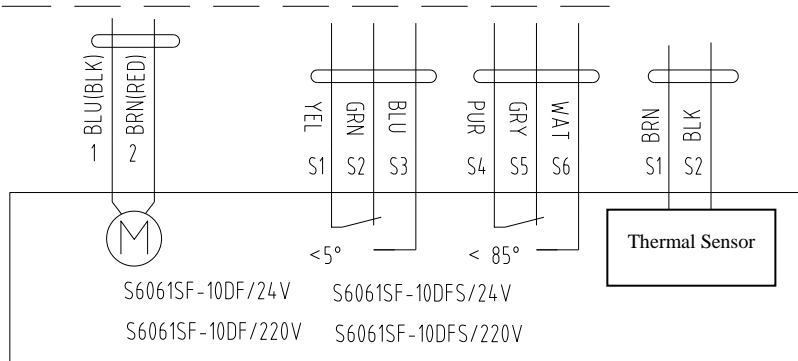
Notice: manual operation instruction

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 °, (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.

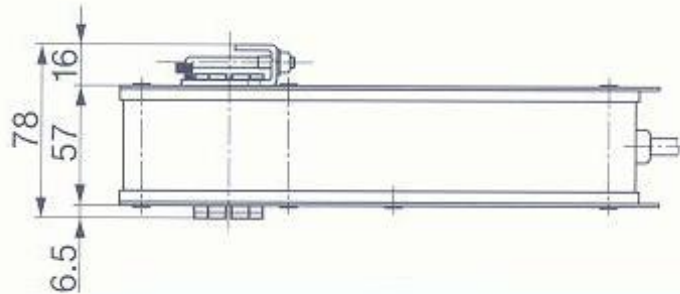
[Attention]:Please do not operate manually when the actuator is speedily rebounding, otherwise it causes easily unlocking by manual or assembly damage.

Wiring Diagram and Shape:

- + AC24V
+ ~ DC24V
N L1 AC220V



∅ 10...19
□ 10...16



□ 12X12

