

SDM-15 Series of Fire Smoke Damper Actuator



- Lizard Controls SDM15 - 15 Nm Fire Smoke damper actuator Series are designed specifically 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 230V available
- 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
- Circular Shaft dimension Form Fit 10-19mm(diameter) or Square Shaft 10mm-16mm

Models	SDM-15DF-1	SDM-15DFS-1	SDM-15DF-2	SDM-15DFS-2
Torque	15Nm			
Damper Size	3m ²			
Power Supply	AC /DC24V		AC230V	
Frequency	50...60Hz		50...60Hz	
Power Consumption	6W Operation/2.5W Stop			
For wire sizing	10VA			
Electric Level	III (Safty Low Pressure)		III (Safty Low Pressure)	
Controls Signal	2 Point on/off			
Angle of Rotation	90° (95° mechanical)			
Thermal Temperature Trip	>72° Celsius			
Weight	Around 3.0 Kg			
Life Cycle	60,000 rotation			
Sound Level	Motor Max 50dB(A);Spring Max 62dB(A)			
IP Protection	IP54			
Ambient	-20°...50° as per IEC 721-3-3			
Ambient Humidity	5...95% RH			
Inventory Temperature	+70° as per 721-3-2			
Maintenance	Maintenance free			
Certificate	CE and ISO 9000 EN / EEC... Requirements			

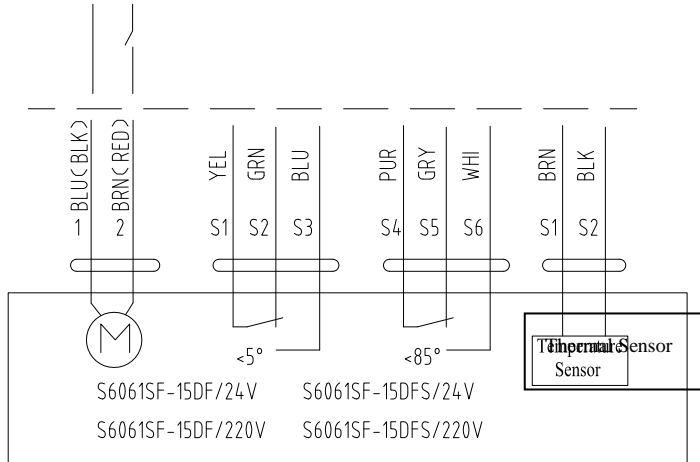
Notice: manual operation instruction

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 (or clockwise) with 90 °C, 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:

- + AC 24V
- + ~ DC 24V
- N L1 AC 220V



□ 12X12

