



ABC...F10SRFS Series of

Fire Smoke Damper Actuator



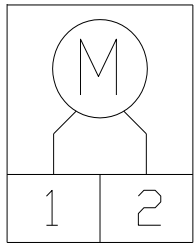
Instruction:

- Special designed for Fire and Smoke application.
- ABACO high quality damper actuators are developed for use with fire and smoke dampers. The actuator motorized the damper or other devices when power on and spring back to its 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
- Circular Shaft dimension Form Fit 10-19mm(diameter) or Square Shaft 10mm-16mm
- Manual Over ride by crank handle when required
- Anti-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	ABC24F10SRFS	ABC230F10SR
Torque	10Nm	
Damper Size	2m ²	
Power Supply	AC /DC24V	AC230V
Frequency	50...60Hz	50...60Hz
Power Consumption	5W Operation/2.5W Stop	6.5W Operation /2.5W
For wire sizing	10VA	
Running Time	100 second and Spring Back<25 second	
Electric Level	III (Safety Low Pressure)	II (Isolation)
Controls Signal	2 Point on/off	
Angle of Rotation	90° (95° mechanical)	
Thermal Temperature Trip	>72° Celsius	
Weight	2.7 Kg	
Life Cycle	60,000 rotation	
Noise 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	
Certification	CE	



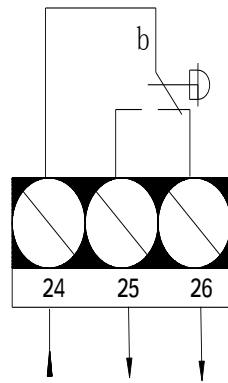
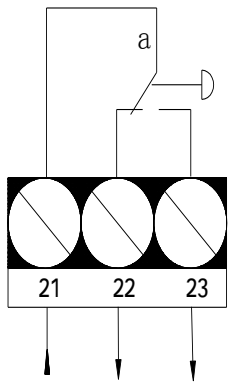
AC220V
AC24V
DC24V

N L1
⊥ ~

Notice: manual operation instruction

Insert the hand handle into the hex hole; smoothly and slow around the handle clockwise (or counter clockwise) rotation, according diagram of the product label. At the same time, the output shaft will and turn by clockwise (or counter clockwise) rotation. When the output moves to the required position, then turn the handle conversely by c clockwise (or clockwise) with 90°, the output shaft will be blocked. turn slightly the handle by another clockwise (or counter clockwise) output shaft will move again.

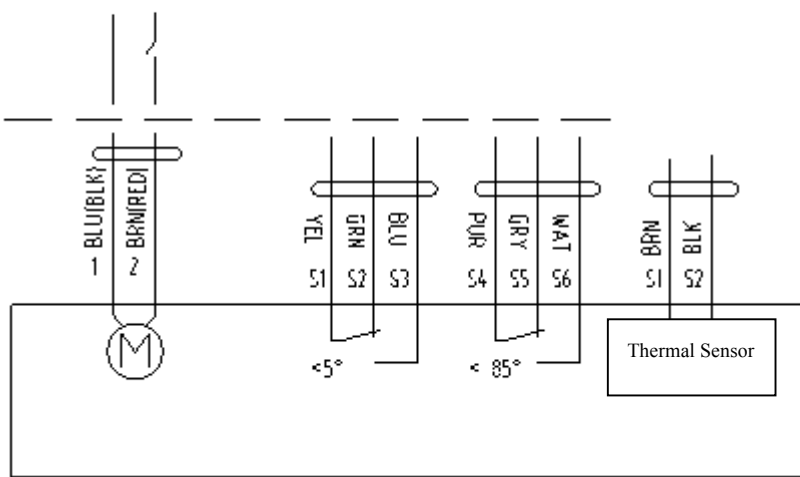
[Attention]: Please do not operate manually when the actua speedily rebounding, otherwise it causes easily unlocking by r or assembly damage.



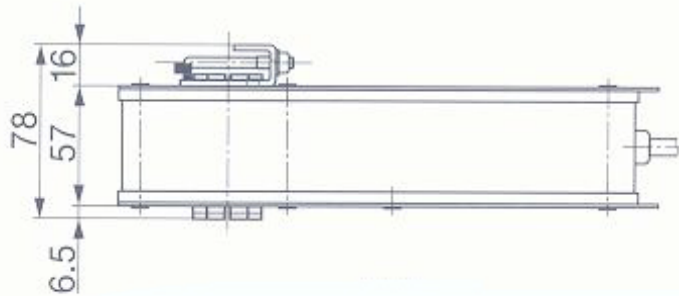
(3)Amp AC250V
Actuator at 0° position

Wiring Diagram and Shape:

- + AC24V
 + - DC24V
 N L1 AC220V



∅ 10...19
 □ 10...16



□ 12X12

