

DM-08/16 DFK Rotary Damper Actuator

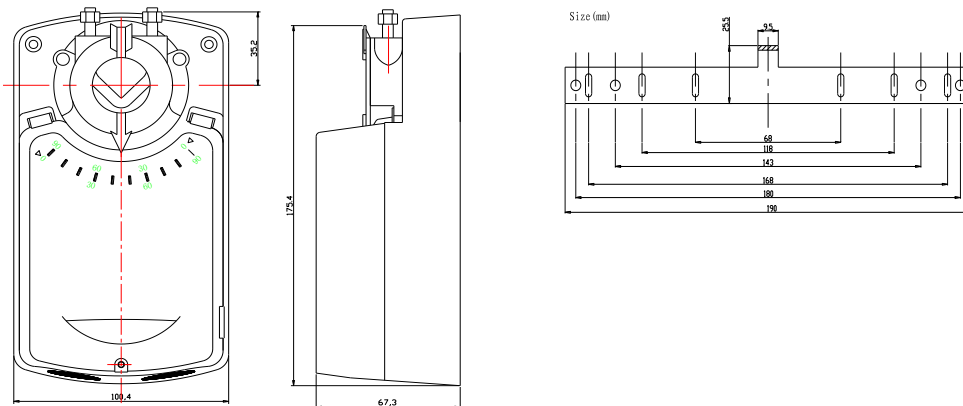
DM-08/16/24 DFK is proud to offer the Series of damper actuators designed specifically applications into the HVAC and Light Industrial market. DM-08/16/24DFK high quality damper actuators have been designed for use with fast running air damper, butterfly valve.



Product features :

- 2 and 3 point control
- Shaft dimension \varnothing 10...20 mm /10...16 mm square
- Universal Spindle Clamp for easy direct mounting
- Anti-rotation bracket provided for stability
- Manual over ride by push button when required
- Adjustable angle of rotation between 0° ... 90°
- Selectable direction of rotation
- Parallel connection up to 5 actuators
- 2 adjustable SPDT auxiliary switches when requested
- Power saving at end stops
- Actuators available with 1m cable on request
- Selectable direction of rotation
- Customised version available, on request

DM- (08, 16) DFK Mounting dimensions

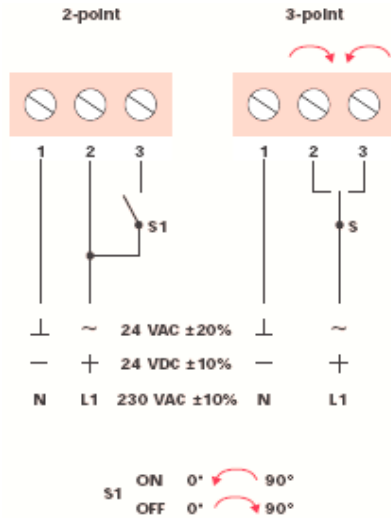


Specifications :

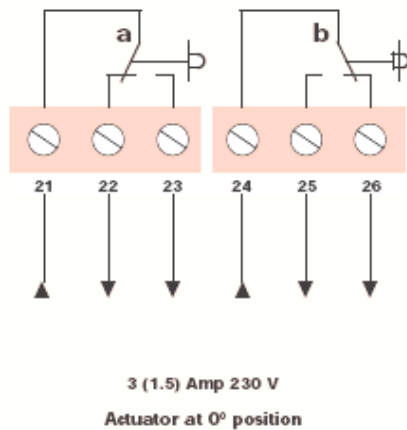
Item	DM-08DFK	DM-16DFK
Torque	8Nm	16Nm
Running Time	8sec	16sec
Power supply	24 VAC /VDC, 230VAC \pm 10%	
Frequency	50/60Hz	
Wiring size	10.5 VA	
Shipping weight	1.1Kg	
Control signal	2point and 3point	
Rotation angle	90 $^{\circ}$ (93 $^{\circ}$ mechanical)	
Limit angle	5~85 $^{\circ}$ (in 5 $^{\circ}$ step)	
Auxiliary switch rating	3A/230V(for 24V and 230V)	
Life cycle	60,000 cycles	
Noise level	50dB(A)	
Protection class	II	
IP protection	IP44or IP54	
Ambient temperature	-20~+50 $^{\circ}$ C	
Ambient humidity	5~95%RH	
Storage	-30~+70 $^{\circ}$ C	
Certificate	CE and ISO9000	

Notice: Drawing out the actuator wiring through the PG joint, the protection level can reach to IP54.

Wiring diagram:



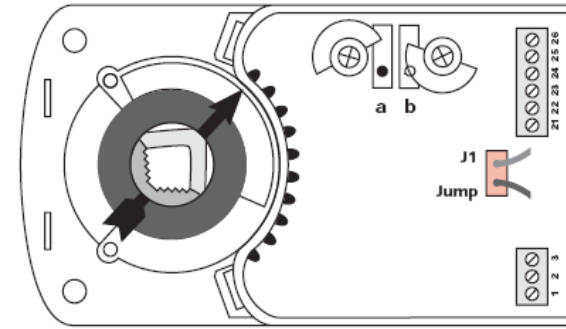
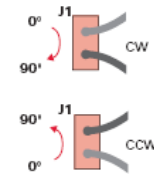
Auxiliary switches (S)



Changing direction of rotation

The direction of rotation can be changed by reversing Jumper J1

Factory setting

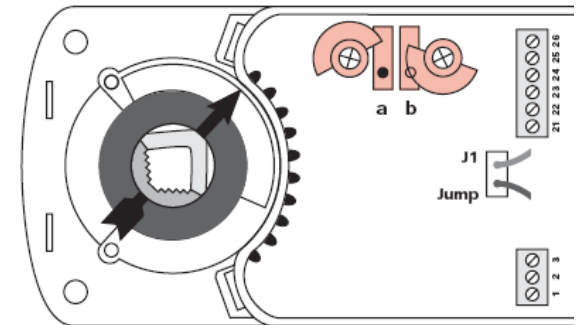


Auxiliary switch adjustment

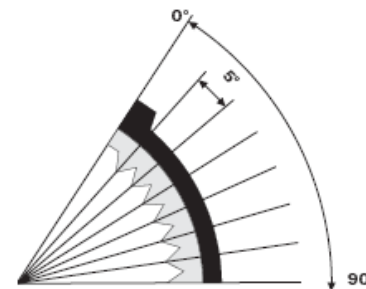
Factory setting

Switch a at 10°
Switch b at 80°

The switching position can be manually changed to any required position by turning the ratchet.



Angle-of-rotation limiting



Releasing the adapter

