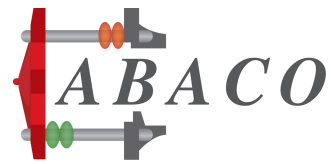


ABC-08/16/24M Rotary Damper Actuator



Summary:

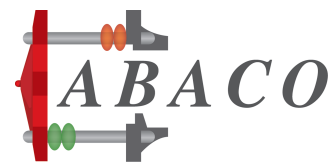
High quality damper actuators have been designed for use with air damper, butterfly valve, characterized ball valve and globe valve with the use of special adapter.



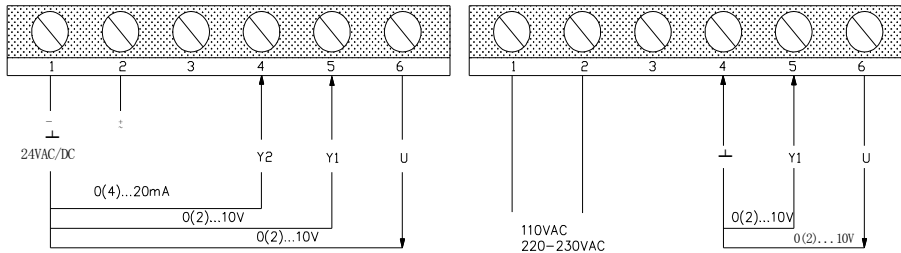
Features and Characteristics:

- 0(2)...10 VDC and 0(4)...20 mA control
- 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
- Parallel connection up to 10 actuators
- 2 adjustable SPDT auxiliary switches when requested
- Power saving at end stops
- Customized version available, on request

ABC-08/16/24M Rotary Damper Actuator



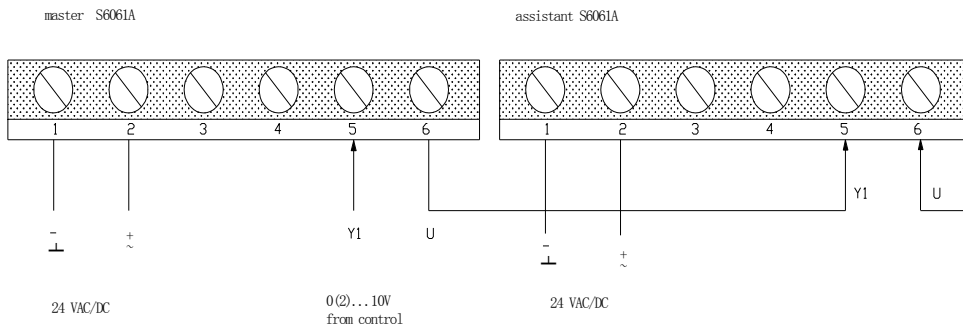
Wiring Diagram:



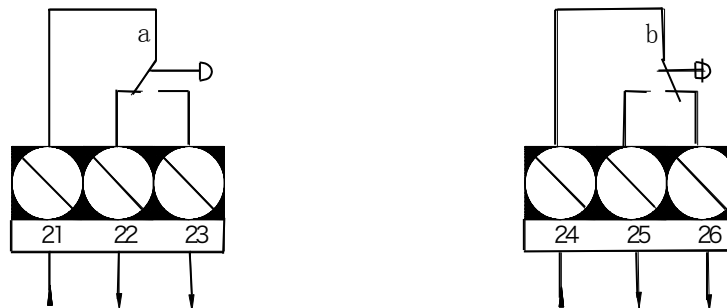
(24VAC/DC)

(110V/220V/230V)

Actuator Main / Sub control

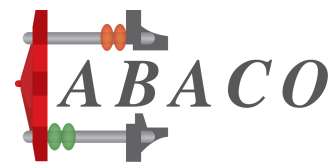


Auxiliary switches

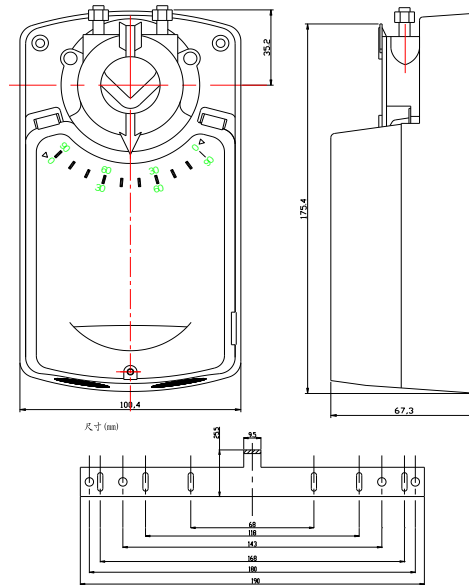


3(1.5) Amp 230v Actuator at 0° position

ABC-08/16/24M Rotary Damper Actuator



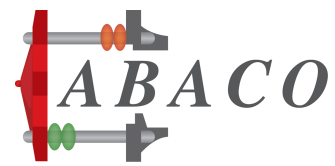
Assembling and Technical Specification:



Item	Unit	ABC-08M	ABC-16M	ABC-24M
Torque	Nm	8Nm	16Nm	24Nm
Damper area	m2	2m2	4m2	6m2
Running Time	sec	30s	80s	125s
Power supply	V	AC24V/DC24V/AC220V/230V/AC110V		
Frequency	Hz	50/60Hz		
Working Power	W	4.0W(24V\) 4.8W(220V/230V) 2.2W(110V)		
Non-Working Power	W	0.7W(24V) 1.0W(220V/230V) 1.4W(110V)		
Wiring size	VA	6.5 VA/7.5VA(230V),3.4VA(110V)		
Shipping weight	Kg	1.1Kg (24V) ; 1.2Kg (220V)		
Control signal		0(2)...10 VDC 0(4)...20 mA		
Rotation angle		0~90°		
Limit angle		5~85°(5°increment)		
Auxiliary switch rating		3 (1.5) Amp 230V		
Life cycle		60,000 cycles		
Noise level		45dB(A)		
Protection class		II		
IP protection		IP44or IP54		
Ambient temperature		-20~+50°C		
Ambient humidity		5~95%RH		
Storage		-40~+70°C		
Certificate		CE and ISO9000		

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

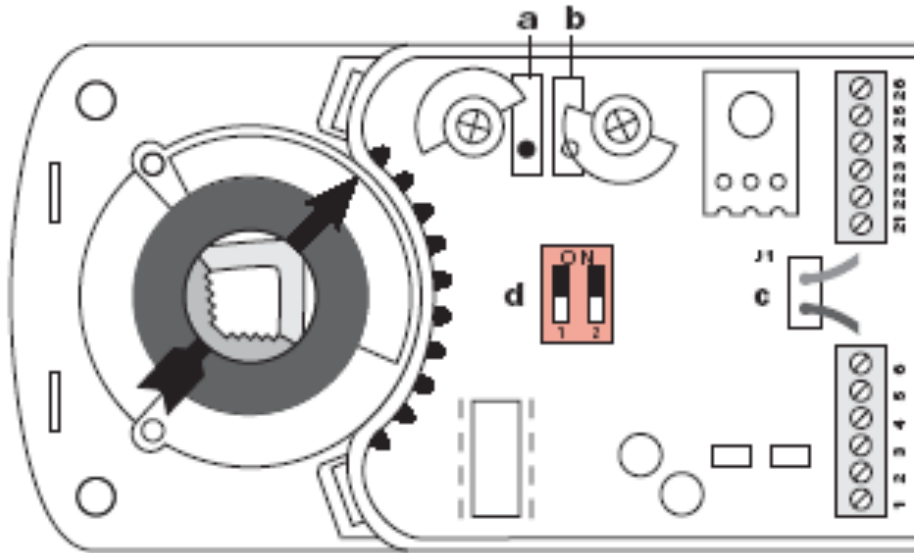
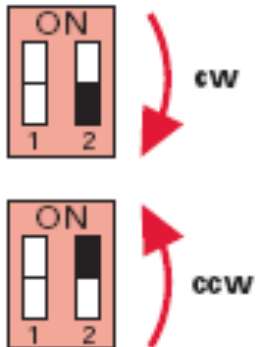
ABC-08/16/24M Rotary Damper Actuator



Manual Operation Instruction:

Selection of rotating direction

Microswitch **d**



Plug (**c**) must never be reversed otherwise the motor will not function correctly.

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.

