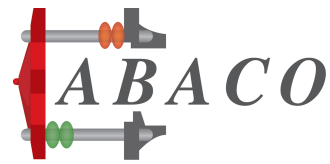


# ABC-32M Damper Actuator



## 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.



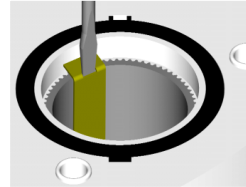
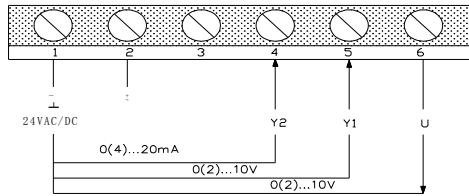
## Features and Characteristics:

- 0(2)...10 VDC and 0(4)...20 mA control
- Fast reaction, Close、On, Short operation time
- Connection shaft: Round shaft: Max  $\phi 20\text{mm}$ , Square shaft: Max 16\*16mm
- Adjustable angle of rotation
- Manual over ride by push button when required
- Two floating auxiliary switch
- Customized version available, on request

# ABC-32M Damper Actuator

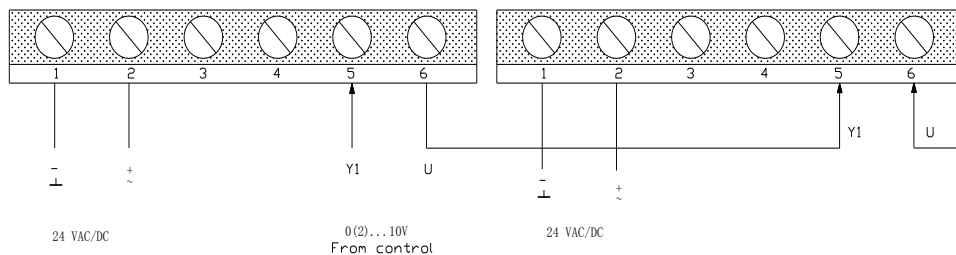
## Wiring Diagram:

ABC-32M Damper actuator can be controlled under 0(4)...20mA or 0(2)...10V

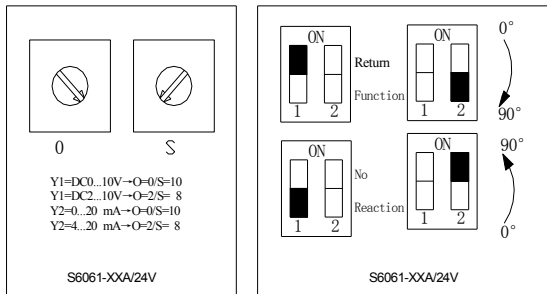


Angle-of-rotation limiting per 5° and releasing by the adapter.

## Actuator Main / Sub control



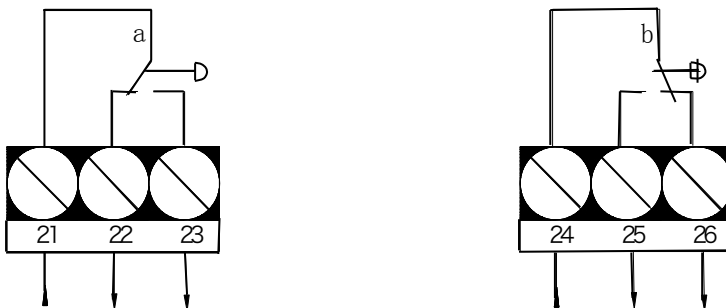
## Option for control signal and rotate direction



Adjust Potentiometer VR1 and VR2 can be settled in the range of Control Signal:

- VR1 is used for low point set
- VR2 is used for high point set
- Factory setting Corresponding 0...20mA、0...10V。

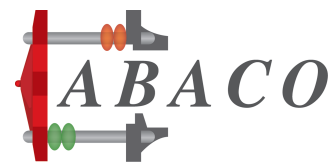
## Auxiliary switches



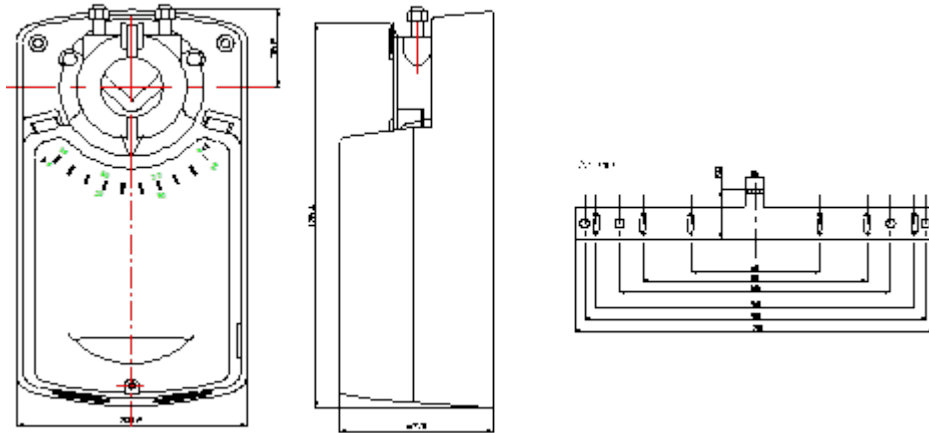
3(1.5) Amp 230v Actuator at 0° position

ABC-32M Damper actuator with 2 auxiliary switches, can be set the angle in 0-90° (Factory setting 10° and 80°).

# ABC-32M Damper Actuator



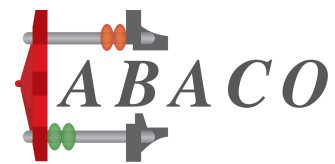
## Assembling and Technical Specification:



Item	Unit	ABC-32M
Torque	Nm	32Nm
Damper area	m <sup>2</sup>	6m <sup>2</sup>
Running Time	sec	220s
Power supply	V	AC24 ; DC24
Frequency	Hz	50/60
Working Power Concum consumption	W	2.5W
Non-Working Power	W	0.3W
Wiring size	VA	4.5VA
Shipping weight	Kg	1.1Kg
Control signal		0(4)...20mA 0(2)...10V
Rotation angle		0~90°
Limit angle		5~85° (per step 5°)
Auxiliary switch rating		3 (1.5) A、AC24V
Life cycle		60, 000 Cycles
Noise level		45dB(A)
Protection class		II
IP protection		IP44or IP54
Ambient temperature		-20~+50℃
Ambient humidity		5~95%RH
Storage		-40~+70℃
Certificate		CE and ISO 9000

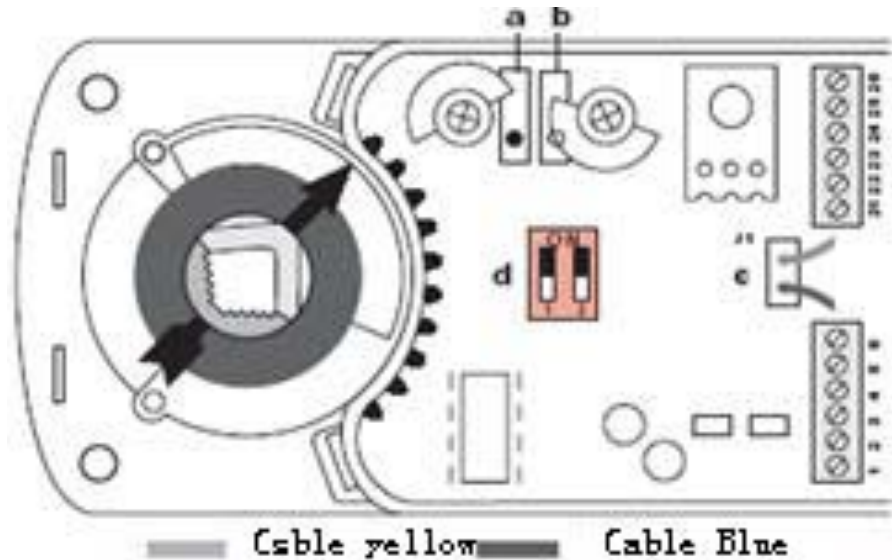
Notice: Drawing out the actuator wiring through the PG joint, the protection level can reach to IP54.

# ABC-32M Damper Actuator



## Manual Operation Instruction:

Ensure the insert pin (C)  
With the same connection  
Direction with  
motor.



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.

