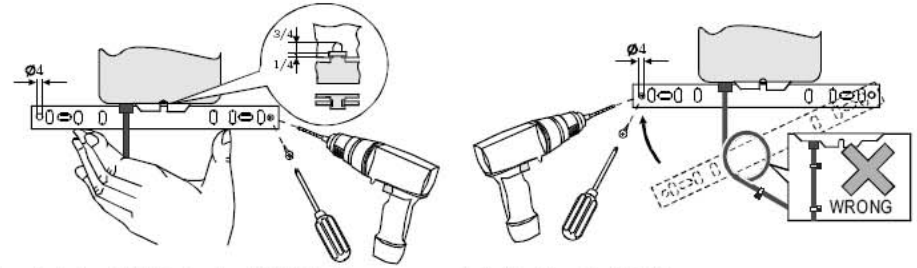




7. INSTALLATION

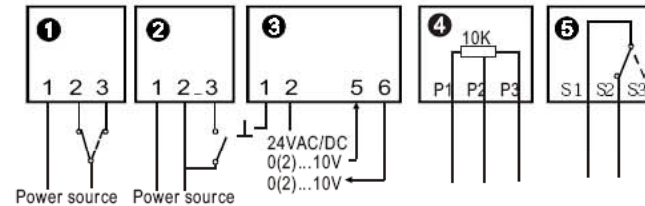


The actuator is suitable for circular shaft of $\phi 8-16$ mm, or square shaft of $5-12$ mm, length >40 mm.

Procedure :

1. Set the damper at fully close position. Turn the actuator to the corresponding fully close position (press down the spring-loaded button, turn the shaft connector manually).
2. Place the drive socket of the connector onto the shaft of damper. Set the proper position, then tighten the 2 nuts of the shaft connector.
3. Bend the mounting bracket to suitable shape and fix with screws. (Leave some space between the actuator and the bracket so as to eliminate eccentric phenomenon).
4. Press the off-load pushbutton, manually turn the damper from fully close to fully open position freely and evenly.
5. Connect the wires according to the wiring diagrams on the casing. Make sure the lead wires, and signal wires are connected correctly.

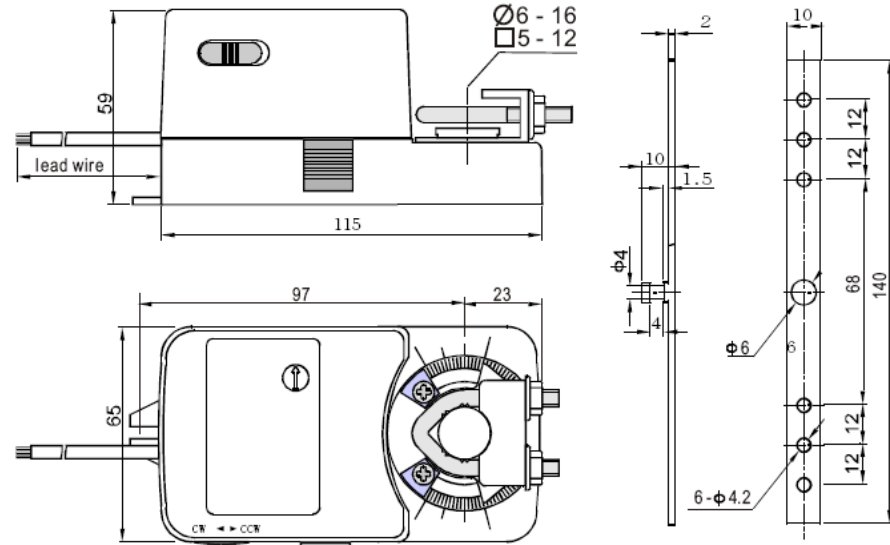
8. WIRING DIAGRAMS



Models	Wiring diagrams	Supply voltage
TD...24	①	AC/DC24V
TS...230	②	AC230V
TS...120	②	AC120V
TA...24	③	AC/DC24V
TD...P	① + ④	
TS...P	② + ④	
TD...S	① + ⑤	
TS...S	② + ⑤	

As product improvement is ongoing, this wiring diagram is only for reference. Detailed wiring diagram is shown on each product casing and should be referred to.

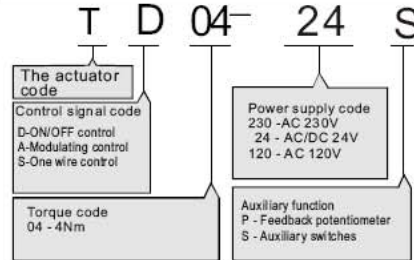
9. DIMENSIONS



1. INTRODUCTION

TA / TD / TS - 04 Series

2. MODEL NUMBER DESCRIPTION



The actuator code	Power supply code
Control signal code D-ON/OFF control A-Modulating control S-One wire control	230 - AC 230V 24 - AC/DC 24V 120 - AC 120V
Torque code	Auxiliary function
04 - 4Nm	P - Feedback potentiometer S - Auxiliary switches

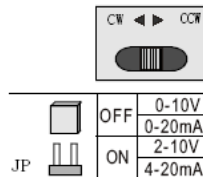
3. WARNING

1. Installation is to be handled by qualified personnel only.
2. Isolate the power before wiring.
3. Check the wiring before energizing. Incorrect wiring may damage the device or cause safety problem.
4. All actuators are ready for installation after production, and is not advised to make any electrical or mechanical adjustments.
5. Store the device in its shipping carton in a clean, dry area.
6. Place this manual together with the device for future use.

6. CHANGE OF DIRECTION & CONTROL SIGNAL

Change of direction is done by the switch on the casing.

To change input / output control signal of model TA, open the casing, interconnect the JP plug on the circuit board.

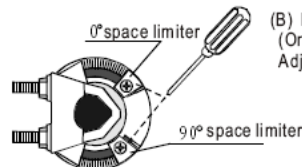


4. TECHNICAL DATA

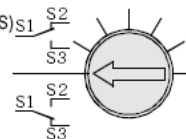
Model	TA / TD / TS		
Output torque	4 Nm		
Power supply	...230	...24	...120
	AC230V	AC/DC24V	AC120V
Running time	60...90S	90...110S	60...90S
Running power	12VA, 2W	4VA, 2W	12VA, 2W
Standstill power	12VA, 2W	4VA, 2W	12VA, 2W
Output angle	90° (95° Max)		
On/Off type Control signal	2 wire, or 1 wire on/off control		
On/Off type feedback (TD...P model)	10K Ω Potentiometer		
Modulating type	DC0(2)...10V (100K Ω)		
	DC0(4)...20mA (500 Ω)		
Modulating, Feedback	DC0(2)-10V		
Built-in micro switches (TD)	3A@250VAC		
Protection class	IP54		
Ambient conditions	-10 ~ +55° C 0 ~ 90% RH		
Noise max	40dB(A)		
Weight	0.5 kg		

5. OUTPUT ANGLE ADJUSTMENT

- (A) Mechanical limiter adjustment
1. Loosen the screws of the limiter
 2. Move the limiter to the required positions
 3. Fix the screws



- (B) Micro switch adjustment
 (Only applicable to model TD / TS..S)
- Adjust to the adequate position



Electronic Actuator Instruction Manual TA / TD / TS 04 Series

